## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

## SCS ENGINEERS

SCS Project No. 16219083 | March 2022 Revision 5

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

**Table of Contents** 

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

ii

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

#### Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations and Amendments

This checklist is designed to provide guidance for the Municipal Solid Waste (MSW) rules found in Title 30 Texas Administrative Code (30 TAC) Chapter 330, for Type I, IV and V registration, permit, and permit amendment applications. Areas of the checklist that are shaded in gray are for information purposes only.

A	Applicant Information		
Transfer Station Solut	ions, LLC		
Josh	Last name	Bray	
President		Prefix:	Mr
P.O. Box 6427			
Paris	State: TX	Zip code:	75461
joshbray@suddenlink	mail.com		
Co	Insultant Information		
Ryan	Last name:	Kuntz	
Vice President		Prefix:	Mr
SCS Engineers			
1901 Central Drive			
Bedford	State: TX	Zip code:	76021
rkuntz@scsengineers	.com		
Арр	lication Information		
Highway 24 Transfer S	Station		
8/12/2021			
605924968		MSW ID: 2411	
111320396	Authorization Type:	Permit	
Hunt	Application Type:	New Permit	
	A Transfer Station Soluti Josh President P.O. Box 6427 Paris joshbray@suddenlinkn Co Ryan Vice President SCS Engineers 1901 Central Drive Bedford rkuntz@scsengineers App Highway 24 Transfer S 8/12/2021 605924968 111320396 Hunt	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentItast nameP.O. Box 6427Itast nameParisState: TXjoshbray@suddenlinkmail.comItast name:Consultant InformationRyanLast name:Vice PresidentItast name:SCS EngineersItast name:1901 Central DriveBedfordBedfordState: TXrkuntz@scsengineers.comItalianApplication InformationHighway 24 Transfer Station8/12/2021Authorization Type:605924968Authorization Type:HuntApplication Type:	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentPrefix:P.O. Box 6427Zip code:ParisState: TXZip code:joshbray@suddenlinkmail.comConsultant InformationRyanLast name:KuntzVice PresidentPrefix:SCS EngineersPrefix:1901 Central DrivePrefix:BedfordState: TXZip code:rkuntz@scsengineers.comImage: CommunicationHighway 24 Transfer Station8/12/2021MSW ID:2411111320396Authorization Type:PermitHuntApplication Type:New Permit

Please fill out application information before selecting and filling out a checklist.

ID	App. Part	Checklist Item	Item Type	Citation	Complete?	Location	Applicant Comments	Application Area
1	General	Submit all four parts of the permit, permit	Required	330.57(a) & (b)	Yes	Parts I/II, III, and IV		Format-
2	General	Submit TCEQ Part I Form (Form No. 0650)	Required	330.57(c)(1)	Yes	Parts I/II		Forms
8	General	Part II of the application contains location and	Informational	330.57(c)(2)		-		Format-
9	General	Part III of the application contains design	Informational	330.57(c)(3)		-		Format-
10	General	Part IV of the application contains the site operating plan	Informational	330.57(c)(4)		-		Format- Application
11	General	The application should address all aspects of application and design requirements, even to show why not applicable (N/A)	Informational	330.57(d)		-		Format- Application
12	General	Submit data of sufficient completeness, accuracy and clarity	Required	330.57(d)	Yes	Parts I/II, III, and IV		Format- Application
13	General	Failure to provide complete information may be cause for ED to return application.	Informational	330.57(d)		-		Format- Application
14	General	and 3 copies)	Required	330.57(e)	Yes	Parts I/II, III, and IV		Application
15	General	Provide 4 copies for NOD Responses including 1 copy with marked revisions (redline/strikeout)	Required	330.57(g)(6)	Yes	NA		Format- Application
16	General	Application must be prepared in accordance with Texas Occupations Code, Texas Engineering Practice Act, Chapter 1001 and Texas Geoscience Practice Act, Chapter 1002	Informational	330.57(f)		-		Format- Application
17	General	Provide a PE signature, seal and date on the title page of each bound engineering report or individual engineering plan, and on each engineering drawing	Required	330.57(f)(1)	Yes	Parts I/II, and III		Format- Application
18	General	Provide PG sign, seal, & date for applicable items	Required	330.57(f)(2)	Yes	Parts I/II		Format- Application
19	General	Applications that are not sealed are incomplete and shall be returned	Informational	330.57(f)(3)		-		Format- Application
20	General	Submit the application in three ring-binders	Required	330.57(g)(1)	Yes	Parts I/II, III, and IV		Format- Application
21	General	Submit Title Page with Name, Application No., Site Operator Name, Operator Name (if applicable), Location, Date Prepared and Revision Date(s)	Required	330.57(g)(2)	Yes	Parts I/II, III, and IV		Format- Application
22	General	Provide Table of Contents with PE seal	Required	330.57(g)(3)	Yes	Parts I/II		Format- Application
23	General	Use 8.5x11 inch or 11x17 paper (folded to 8.5x11 inch)	Required	330.57(g)(4)	Yes	Parts I/II, III, and IV		Format- Application
24	General	Provide pages with date (original and revised) and sequential page numbers	Required	330.57(g)(5)	Yes	Parts I/II, III, and IV		Format- Application
25	General	Provide legible drawings/maps	Required	330.57(h)(1)	Yes	Parts I/II, and III		Format- Maps/Drawing s
26	General	Provide color coding on all figures and drawings that is legible and distinct after copying in black & white	Required	330.57(h)(2)	Yes	Parts I/II, and III		Format- Maps/Drawing s
27	General	Provide a standard engineering scale on each figure or drawing	Required	330.57(h)(3)	Yes	Parts I/II, and III		Format- Maps/Drawing s
28	General	Provide a dated title block on each figure or drawing	Required	330.57(h)(4)(A)	Yes	Parts I/II, and III		Format- Maps/Drawing
29	General	Provide a bar scale at least 1 inch on all figures and drawings	Required	330.57(h)(4)(B)	Yes	Parts I/II, and III		Format- Maps/Drawing s
30	General	Provide a revision block on all figures and drawings	Required	330.57(h)(4)(C)	Yes	Parts I/II, and III		Format- Maps/Drawing s

31	General	Provide a PE or PG seal ,if required, on all figures and drawings	Required	330.57(h)(4)(D)	Yes	Parts I/II, and III	
32	General	Include drawing number and a page number on each drawing and figure	Required	330.57(h)(4)(E)	Yes	Parts I/II, and III	
33	General	Include a north arrow on each map or plan drawing	Required	330.57(h)(5)(A)	Yes	Parts I/II, and III	
34	General	Include a reference to base map & date of most current base map used, if the map is based upon another map	Required	330.57(h)(5)(B)	Yes	Parts I/II, and III	
35	General	Include a legend on each map or plan drawing	Required	330.57(h)(5)(C)	Yes	Parts I/II, and III	
36	General	Provide match lines and section lines that reference the drawing where the match or section is shown.	Required	330.57(h)(6)	Yes	NA	
45	General	Acknowledge that the construction and operation of the waste management facility shall comply with Subchapter U of 30 TAC Chapter 330 (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations) or other approved air authorizations. Owners or operators of these types of facilities should consult with the Air Permits Division on or before the date that the municipal solid waste application is filed with the executive director	Acknowledgement	330.55(a)	Yes	Yes	
46	General	Acknowledge that all liquids resulting from the operation of solid waste facilities shall be disposed of in a manner that will not cause surface water or groundwater pollution. Facilities shall provide for the treatment of wastewaters resulting from waste management activities and from cleaning and washing. Owners or operators shall ensure that storm water and wastewater management is in compliance with the regulations of the commission	Acknowledgement	330.55(a)	Yes	Yes	
49	General	It is the responsibility of an owner or operator to possess or acquire a sufficient interest in or right to the use of the surface estate of the property for which a permit is issued, including the access route. The granting of a permit does neither convey any property rights or interest in either real or personal property; nor does it authorize any injury to private property, invasion of personal rights, or impairment of previous contract rights; nor any infringement of federal, state, or local laws or regulations outside the scope of the authority under which a permit is issued	Informational	330.67(a)			
51	General	Executive director approval or a permit will be required if any on-site operations subsequent to closure of a landfill facility involve disturbing the cover or liner of the landfill.	Informational	330.67(c)			
52	General	It is the responsibility of an owner or operator to obtain any permits or approvals that may be required by local agencies such as for building construction, discharge of uncontaminated waters into ditches under control of a drainage district, discharge of effluent into a local sanitary sewer system, etc.	Informational	330.67(d)			

M. M. M. M. M. M. M. M.	Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u>
M. M. M. M. M. M. M. M.	s Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u>
M. M. M. M. M. M. M.	Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u>
Mi Mi Mi Mi Mi Mi Mi Mi	aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Other thorizations
М. М. М. М.	Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u>
M. M. M. M. M. M. M.	aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Other thorizations
М. М. М. М.	s Format- aps/Drawing s Format- aps/Drawing s Format- aps/Drawing s
м. м. м.	aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Format- aps/Drawing <u>s</u> Other thorizations
М. М. М. 	s Format- aps/Drawing S Format- aps/Drawing S Other thorizations
м. м. Ац	other other stations
М.	s Format- aps/Drawing s Other thorizations
М.	Format- aps/Drawing <u>s</u> Other uthorizations
Au	s Other uthorizations
Αι	Other Ithorizations
Αι	Other athorizations
Au	Other Ithorizations
Αι	Other Ithorizations
Au	Other Ithorizations
Αι	ithorizations
	Othern
41	Other
110	anon zations
	General
1	nformation
	General
I	nformation
	General
I	General nformation
I	General nformation

58	General	If at any time during the life of the facility the owner or operator becomes aware of any condition in the permit or registration that necessitates a change to accommodate new technology or improved methods or that makes it impractical to keep the facility in compliance, the owner or operator shall submit to the executive director requested changes to the permit or registration in accordance with 30 TAC §305.62 or §305.70 and must be approved prior to their implementation	Informational	330.73(a)			
60	General	The owner or operator shall obtain and submit certification by a Texas-licensed professional engineer that the facility has been constructed as designed in accordance with the issued registration or permit and in general compliance with the regulations prior to initial operation. The owner or operator shall maintain that certification on site for inspection	Informational	330.73(d)			
61	General	After all initial construction activity has been completed and prior to accepting any solid waste, the owner or operator shall contact the executive director and region office in writing and request a pre-opening inspection. A pre- opening inspection shall be conducted by the executive director within 14 days of notification by the owner or operator that all construction activities have been completed, accompanied by representatives of the owner or operator and the engineer	Informational	330.73(e)			
62	General	The MSW facility shall not accept solid waste until the executive director has confirmed in writing that all applicable submissions required by the permit or registration and this chapter have been received and found to be acceptable, and that construction is in compliance with the permit or registration and the approved site development plan. If the executive director has not provided a written or verbal response within 14 days of completion of the pre-opening inspection, the facility shall be considered approved for acceptance of waste	Informational	330.73(f)			
63	General	Identify if the Regulated Entity or Customer has any delinquent fees	Required	330.59(h), 330.671, 330.675	Yes	NA	
64	Part I	Provide a copy of the application, including all revisions and supplements on a publicly accessible Web site	Required in Part I Form	330.57(i)(1)			
65	Part I	Provide the commission with the Web address link for the application materials	Required in Part I Form	330.57(i)(1)			
66	Part I	Signature Page must have signature and notarization	Required in Part I Form	330.59(a)(1)			
67	Part I	Applicant's name, mailing address & phone no.	Required in Part I Form	330.59(a)(1)			_
68	Part I	Description of the nature of the business	Required in Part I Form	330.59(a)(1)			
69	Part I	Activities that require a permit (conducted at the facility)	Required in Part I Form	330.59(a)(1)			
70	Part I	Location description, facility name & mailing address	Required in Part I Form	330.59(b)(1); 305.45(a)(1)			
71	Part I	Access routes	Required in Part I Form	330.59(b)(2)			
72	Part I	Lat. & Long. of the facility	Required in Part I Form	330.59(b)(3)			
73	Part I	Lat. & Long. depicted	Required in Part I Form	330.59(c)(1)(A)			
74	Part I	All maps should show the facility location	Required in Part I Form	305.45(a)(6)			

General Information
General Information
General Information
General Information
Delinquent Fees
Part I Form
1 41 1 1 01 111

76	Part I	All maps should show other structures or locations regarding the regulated facility and associated activities	Required in Part I Form	305.45(a)(6)		
77	Part I	At least one map with a scale not less than 1 inch = 1 mile	Required in Part I Form	305.45(a)(6)		
78	Part I	Permit/Registration boundary and 1 mile	Required in Part I Form	330.59(c)(1)(B)		
79	Dort I	Wolls, springs, surface water bodies	Poquirod in Part I Form	305.45(2)(6)(A)		
15	ratti	Character of adjacent land including public	Required in Fart Form	505.45(a)(0)(A)		
80	Part I	roads, towns, development as residential, commercial, agricultural, etc.	Required in Part I Form	305.45(a)(6)(B)		
81	Part I	Location of any waste disposal activities conducted on the tract but not included in the application	Required in Part I Form	305.45(a)(6)(C)		
82	Part I	General location map, TXDOT, scale of $\frac{1}{2}$ inch = 1 mile and most current map used	Required in Part I Form	330.59(c)(2)		
83	Part I	Land Ownership Map, within ¼ mile & mineral interest ownership	Required in Part I Form	330.59(c)(3)(A)		
84	Part I	Land Ownership List both in hardcopy and electronic form (alternatively pre-printed mailing labels)	Required in Part I Form	330.59(c)(3)(B)		
85	Part I	Legal description of property or other documentation of ownership	Required in Part I Form	330.59(d)(1)(A)		
86	Part I	If Platted; plat record with county, book, page number and acreage information	Required in Part I Form	330.59(d)(1)(B)		
87	Part I	Signed, sealed and dated surveyed metes and bounds description of the facility	Required in Part I Form	330.59(d)(1)(C)		
88	Part I	Signed & sealed metes & bounds drawing	Required in Part I Form	330,59(d)(1)(D)		
89	Part I	Signed property owner affidavit	Required in Part I Form	330 59(d)(2)		
90	Part I	Acknowledge that State may hold owner	Required in Part I Form	330.59(d)(2)(A)		
92	Part I	Acknowledge that the owner & State shall have access during life of the facility and during	Required in Part I Form	330.59(d)(2)(C)		
94	Part I	Verified legal status of applicant and list of persons with 20% or more ownership in the facility	Required in Part I Form	330.59(e)		
95	Part I	Ownership status as federal, state, private, public, or other	Required in Part I Form	305.45(a)(2)		
96	Part I	List of all Texas solid waste sites that the owner or operator has owned or operated within the last ten years. The site name, site type, permit or registration number, county, and dates of operation shall also be submitted.	Required in Part I Form	330.59(f)(1)		
97	Part I	List of all solid waste sites in all states, territories, or countries in which the owner or operator has a direct financial interest. The type of site shall be identified by location, operating dates, name, and address of the regulatory agency, and the name under which the site was operated.	Required in Part I Form	330.59(f)(2)		
98	Part I	Shall employ a licensed solid waste facility supervisor before operating	Required in Part I Form	330.59(f)(3)		
99	Part I	Names of principals & supervisors owner or operators organization together with previous affiliations with other organizations involved with solid waste activities	Required in Part I Form	330.59(f)(4)		
101	Part I	Signatory meets 305.44, documentation of delegated signatory authority	Required in Part I Form	330.59(g)		
102	Part I	Corporations – signed by a corporate officer	Required in Part I Form			
103	Part I	Partnership or proprietorship –signed by a general partner or proprieto1	Required in Part I Form			
104	Part I	Municipality, public agency –signed by an executive officer or elected official	Required in Part I Form			
105	Part I	Signatory certification statement	Required in Part I Form			

Part I Form
Part I Form
 Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form

106	Part I	Hazardous Waste Management	Required in Part I Form	305.45(a)(7)(A)			
107	Part I	Underground Injection Control	Required in Part I Form	305.45(a)(7)(B)			
108	Part I	NPDES	Required in Part I Form	305.45(a)(7)(C)			
109	Part I	Prevention of Significant Deterioration	Required in Part I Form	305.45(a)(7)(D)			
110	Part I	Nonattainment Program	Required in Part I Form	305.45(a)(7)(E)			
111	Part I	NESHAPS	Required in Part I Form	305.45(a)(7)(F)			
112	Part I	Ocean dumping permit	Required in Part I Form	305.45(a)(7)(G)			
113	Part I	Dredge & fill permit	Required in Part I Form	305.45(a)(7)(H)			
114	Part I	Licenses under the TRCA	Required in Part I Form	305.45(a)(7)(I)			
115	Part I	Other environmental permits	Required in Part I Form	305.45(a)(7)(K)			
116	Part I	Permit Application Fee is \$2050.00	Required in Part I Form	THSC 361.0675			
117	Part I	Permits Section, if paid by check.	Required in Part I Form	330.59(h)(1)			
118	Part I	Prepared by PE, PG, or qualified person	Required in Part I Form	330.57(f)			
119	Part I	Description of facility & systems	Required in Part I Form	305.45(a)(8)(A)			
120	Part I	Volume, average & max rate of disposal for each place of disposal	Required in Part I Form	305.45(a)(8)(B)(i)			
121	Part I	Physical, chemical, thermal, organic, bacteriological, radiological properties of waste	Required in Part I Form	305.45(a)(8)(B)(ii)			
122	Part I	Other reasonable information	Required in Part I Form	305.45(a)(8)(C)			
123	Part II	Provide the sources and characteristics of all waste to be accepted.	Required	330.61(b)(1)	Yes	Section 2.2	
124	Part II	Specify parametric limitations of each type of waste to be managed by the facility	Required	330.61(b)(1)	Yes	Section 2.2	
125	Part II	Provide a brief description of the general sources and generation areas contributing wastes to the facility. This description shall include an estimate of the population or population equivalent served by the facility	Required	330.61(b)(1)(A)	Yes	Section 2.2	
126	Part II	Provide a descriptive narrative that describes the percentage of incoming waste that must be recovered and its intended use	Required if Requested	330.61(b)(1)(A)	Yes	NA	
127	Part II	Provide the maximum amount of solid waste to be received daily and annually projected for five years. Provide the maximum amount of solid waste to be stored and the maximum and average lengths of time that solid waste is to remain at the facility. Provide the intended destination of the solid waste received at this facility.	Required	330.61(b)(1)(B)	Yes	Section 2.2.4	
130	Part II	Provide any site specific conditions that require special design considerations & possible mitigation of conditions identified under sections (h) – (o)	Required	330.61(a)	Yes	Section 3.7	
131	Part II	Provide information regarding the likely impacts of the facility on cities, communities, groups of property owners, or individuals.	Required	330.61(h)	Yes	Section 3.1	
132	Part II	Provide information on the compatibility of the facility with surrounding land use, zoning in the vicinity, community growth patterns, and other factors associated with the public interest.	Required	330.61(h)	Yes	Section 3.1	
133	Part II	Provide information on the character of surrounding land use within one mile	Required	330.61(h)(2)	Yes	Section 3.1.2	
134	Part II	Provide information about the growth trends within five miles & directions of development	Required	330.61(h)(3)	Yes	Section 3.1.3 and 3.1.4	
135	Part II	Indicate the proximity to residences & items listed in 330.61(c)(4) & (12), ~ no. of residences & commercial establishments including direct & distance to nearest, population density, all within one mile.	Required	330.61(h)(4)	Yes	Section 3.1.5	

Part I FormPart I FormP	
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Vaste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Vaste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Kaste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions Existing Conditions	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Part I Form Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Part I Form Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Condition	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Waste         Acceptance         Plan         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Part I Form
Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions	Waste
Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Acceptance Plan
Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions         Existing       Conditions	Waste
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions	Acceptance Plan
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	
Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions Existing Conditions	Waste
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Plan
Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions         Existing       Conditions	Waste
Plan Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Facility Impact Existing Conditions Existing Conditions	Acceptance
Waste Acceptance PlanFacility ImpactFacility ImpactFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting ConditionsExisting ConditionsExisting Conditions	 Plan
Facility Impact         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Waste Acceptance Plan
Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Existing Conditions Existing Conditions Existing Conditions	Facility Impact
Existing Conditions Existing Conditions	Existing Conditions
Existing Conditions	Existing Conditions
I	Existing Conditions

136	Part II	Indicate all wells and the well density within 500 ft.	Required	330.61(h)(5)	Yes	Section 3.1.6 and Appendix I/II-C		Existing Conditions
137	Part II	Provide any other information requested by the ED	Required	330.61(h)(6)	Yes	NA	No other information requested by the ED.	Existing Conditions
138	Part II	Provide data on availability & adequacy of access roads	Required	330.61(i)(1)	Yes	Section 3.2.1		Transportation
139	Part II	Provide the existing & expected traffic volumes on access roads within one mile of the facility during the expected life of the facility	Required	330.61(i)(2)	Yes	Section 3.2.2		Transportation
140	Part II	Provide an estimate of traffic volume generated by the facility on access roads within one mile of the facility	Required	330.61(i)(3)	Yes	Section 3.2.3		Transportation
141	Part II	Provide documentation of coordination for roadway improvements and documentation of coordination with TXDOT for traffic and location restrictions	Required	330.61(i)(4)	Yes	Appendix I/II-A.3		Transportation
146	Part II	Provide notice to the airport & the FAA for MSW units within 6 miles of a small airport or within 5 miles of a large commercial airport.	Required	330.545(b)	Yes	NA	330.545(b) is not applicable for transfer stations	Transportation
148	Part II	Discuss in general terms the geology and soils of the proposed site	Required	330.61(j)(1)	Yes	Section 3.3		Geology
152	Part II	Provide data on site specific groundwater conditions	Required	330.61(k)(1)	Yes	Section 3.4.1		Groundwater and Surface Water
153	Part II	Provide data on surface water at or near the site	Required	330.61(k)(2)	Yes	Section 3.4.2		Groundwater and Surface Water
154	Part II	Provide information on how facility will comply with applicable Texas Pollutant Discharge Elimination System (TPDES) storm water permitting requirements and the Clean Water Act, §402, as amended This may include the information requires by 30 TAC 330.61(k)(3)(A) & (B)	Required	330.61(k)(3)	Yes	Section 3.4.3		Groundwater and Surface Water
155	Part II	As applicable, provide a certification statement indicating the owner/operator will obtain the appropriate TPDES permit coverage when required	Required	330.61(k)(3)(A)	Yes	Section 3.4.3		Groundwater and Surface Water
156	Part II	As applicable, provide a copy of permit number under an individual wastewater permit	Required	330.61(k)(3)(B)	Yes	NA		Groundwater and Surface Water
157	Part II	Provide the location of any water wells.	Required	330.61(l)(1)	Yes	Appendix I/II-C		Abandoned Oil and Water Wells
158	Part II	All water supply wells must be outside monitoring system or approved in the permit	Informational	330.61(l)(1)		-		Abandoned Oil and Water Wells
160	Part II	Provide the location of oil & gas wells production wells may remain if identified & don't disrupt operations	Required	330.61(l)(2)	Yes	Section 3.1.6 and Appendix I/II-C		Abandoned Oil and Water Wells
161	Part II	Production wells may remain if identified & they do not disrupt facility operations	Informational	330.61(l)(2)		-		Abandoned Oil and Water Wells
162	Part II	Indicate if the facility is within the 100yr floodplain. If facility within a floodplain see location restrictions in 30 TAC Chapter 330 Subchapter M	Required	330.61(m)(1)	Yes	Section 3.5.1		Floodplains and Wetlands
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6		Endangered Species

_							
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment.	Required	330.61(n)(2)	Yes	Section 3.6 and Appendix I/II-B.1	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(n)(2)	Yes	Appendix I/II-B.1	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code)	Required	330.61(o)	Yes	Section 3.1.5	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code). If the WWTP permit contains coordination and a review letter from the Texas Historical Commission, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(o)	Yes	Appendix I/II-A.2	
168	Part II	Provide documentation that Parts I and II of the application were submitted for review to the applicable council of governments for compliance with regional solid waste plans.	Required	330.61(p)	Yes	Appendix I/II-A.1	
169	Part II	Acknowledgement that the owner or operator requested a review letter from any local government, as appropriate for compliance with local solid waste plans. A review letter is not a prerequisite to a final determination on a permit or registration application.	Acknowledgement	330.61(p)	Yes	Appendix I/II-A.1	
170	Part II	Provide a constructed map showing boundary, zoning, & land use within one mile including info from 330.61(c)(4), (5), & (10) (schools, hospitals, etc.)	Required	330.61(g)	Yes	Figure I/II-5	
171	Part II	Provide the prevailing wind direction with a wind rose.	Required	330.61(c)(1)	Yes	Figure I/II-2	
172	Part II	Provide the location of all known water wells within 500 feet of the proposed permit boundary with the state well numbering system designation for Water Development Board "located wells".	Required	330.61(c)(2)	Yes	Appendix I/II-C	
173	Part II	Provide the location of all structures and inhabitable buildings within 500 feet of the facility	Required	330.61(c)(3)	Yes	Figure I/II-5	

Endangered Species
Endangered Species
Endangered Species
Historical Commission
Historical Commission
COG Review
COG Review
Maps/Drawing s
Maps/Drawing s
Maps/Drawing s
Maps/Drawing s

1								
174	Part II	Provide the location of all schools, licensed day- cares, churches, hospitals, cemeteries, ponds, lakes, residential, commercial, & recreational areas within one mile of the facility	Required	330.61(c)(4)	Yes	Figure I/II-5		Maps/Drawing s
175	Part II	Provide the location and surface type of roads used for access within one mile of the facility	Required	330.61(c)(5)	Yes	Figure I/II-7		Maps/Drawing s
176	Part II	Provide the latitude & longitude of the facility	Required	330.61(c)(6)	Yes	Figure I/II-1		Maps/Drawing
177	Part II	Provide the location of all area streams	Required	330.61(c)(7)	Yes	Figure I/II-9		Maps/Drawing
178	Part II	Provide the location of all airports within six	Required	330.61(c)(8)	Yes	NA	No airports located within six miles	Maps/Drawing
179	Part II	Indicate the property boundary of facility	Required	330.61(c)(9)	Yes	Figure I/II-4		Maps/Drawing
180	Part II	Indicate all drainage, pipeline, and utility	Required	330.61(c)(10)	Yes	NA		Maps/Drawing
181	Part II	Provide the location of all access control	Required	330.61(c)(11)	Yes	Figure I/II-6		Maps/Drawing
182	Part II	Provide the location of all archaeological sites, historical sites, and sites with an aesthetic quality adjacent to the facility	Required	330.61(c)(12)	Yes	NA	No such sites adjacent to facility	Maps/Drawing
183	Part II	Provide a facility layout map	Required	330.61(d)	Yes	Figure I/II-6		Maps/Drawing
184	Part II	A set of maps may be provided	Informational	330.61(d)		-		Maps/Drawing
186	Part II	Provide the location of interior roads	Required	330.61(d)(2)	Yes	Figure I/II-6		Maps/Drawing
187	Part II	Indicate the location of monitor wells	Required	330.61(d)(3)	Yes	NA		Maps/Drawing
188	Part II	Provide the location of all facility buildings	Required	330.61(d)(4)	Yes	Drawing I/II-6		Maps/Drawing
189	Part II	Provide notes on sequence of development	Required	330.61(d)(5)	Yes	NA		Maps/Drawing
190	Part II	Indicate the location of all facility fencing	Required	330.61(d)(6)	Yes	Drawing I/II-6		Maps/Drawing
192	Part II	Indicate the location of site entrance roads	Required	330.61(d)(8)	Yes	Drawing I/II-6		Maps/Drawing
198	Part II	Provide a general topographic maps: USGS 7.5 minute or equivalent one map at scale 1 in. = 2.000 ft.	Required	330.61(e)	Yes	Drawing I/II-2		Maps/Drawing
199	Part II	Provide Aerial Photograph(s) that are at least 9 in. by 9 in. at scale range of one inch = 1,667- 3,334 ft. that covers an area at least one mile in radius of the site. Facility boundary and fill areas (as applicable) must be shown.	Required	330.61(f)	Yes	Figure I/II-3		Maps/Drawing s
200	Part II	A series of photos showing growth trends may be used	Informational	330.61(f)(2)		-		Maps/Drawing
201	Part II	All submitted prints & photocopies must be legible	Informational	330.61(f)(3)		-		Maps/Drawing
202	Part II	Provide zoning map within two miles and a copy of any nonconforming use or special permit required for the facility	Required	330.61(h)(1)	Yes	NA	No published zoning maps within 2 miles of facility	Maps/Drawing
210	Part II	No solid waste disposal operations are permitted in the 100yr, floodway	Informational	330.547(a)		-		Floodplains and Wetlands
211	Part II	Demonstrate that, a facility located in 100 year flood plains, does not restrict the flow of the 100 yr. flood, reduce temporary storage capacity, or result in washout of solid waste so as to pose a hazard to human health and the environment	Required	330.547(b)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
212	Part II	Demonstrate that storage and processing facilities are located outside of the 100 year floodplain.	Required	330.547(c)	Yes	Drawing I/II-9		Floodplains and Wetlands

213	Part II	For storage and processing facilities located within the 100 year floodplain, please provide a demonstration that the facility is designed to prevent washout during a 100 year storm event, or a conditional letter of map amendment from the Federal Emergency Management Administration administrator	Required	330.547(c)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
214	Part II	Acknowledge if the facility will be located in wetlands.	Acknowledgement	330.553(a) & (b)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
215	Part II	Demonstrate, if located within wetlands, that there is no practicable alternative location	Required	330.553(b)(1)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
216	Part II	Acknowledge that the facility's construction & operations shall not cause or contribute to violations of state water quality standards, violation of any applicable toxic effluent standard or prohibition under the Clean Water Act §307; jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine protection, Research, & Sanctuaries Act	Acknowledgement	330.553(b)(2)(A) - (D)	Yes	Appendix I/II-B		Floodplains and Wetlands
217	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of native wetland soils, muds, and deposits used to support the landfill	Required	330.553(b)(3)(A)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
218	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of dredged and fill materials used to support the landfill	Required	330.553(b)(3)(B)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
219	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the volume and chemical nature of the waste managed in the landfill unit	Required	330.553(b)(3)(C)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
220	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the impacts on fish, wildlife, and other aquatic resources and their habitat for the release of solid waste	Required	330.553(b)(3)(D)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
221	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the potential effects of catastrophic release of waste to the wetlands and the resulting impacts on the environment	Required	330.553(b)(3)(E)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
222	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing any additional factors, as necessary, to demonstrate that ecological resources in the wetland are sufficiently protected	Required	330.553(b)(3)(F)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
223	Part II	Sufficient information shall be provided to the ED to allow a reasonable determination to be made with respect to the demonstrations cited in 30 TAC §330.553(b)	Informational	330.553(b)(5)		-		Floodplains and Wetlands
224	Part II	Provide the steps taken to achieve no net loss of wetlands	Required	330.553(b)(4)	Yes	NA	No wetlands on site	Floodplains and Wetlands

225		Acknowledge that the operation of this facility				Section 3.6	
	Part II	shall not result in the destruction or adverse modification of the critical habitat of ordenered or threatened energies	Acknowledgement	330.551(a)	Yes		
226	Part II	The term "Harassing" means; An intentional or negligent act or omission that creates the likelihood of injury to wildlife	Informational	330.551(b)(1)		-	
227	Part II	The term "Harming" means; An act of omission that actually injures or kills wildlife, including acts that annoy it to such an extent as to significantly disrupt essential behavioral patterns	Informational	330.551(b)(2)		-	
228	Part II	The term "Taking" means; collecting an endangered or threatened species or attempting to engage in such conduct	Informational	330.551(b)(3)		-	
229	Part II	Acknowledge that no solid waste unloading, storage, disposal, or processing operations shall occur within any easement, buffer zone, or right- of-way that crosses the facility	Acknowledgement	330.543(a)	Yes	Yes	
268	Part II	Submit information for on-site local geologic or geomorphologic features	Required	330.559(2)	Yes	Section 3.3	
269	Part II	Identify local human-made features or events	Required	330.559(3)	Yes	NA	
270	Part III	Describe facility access control features	Required	330.63(b)(1)	Yes	Section 2.1	
271	Part III	Submit a process design for the facility [that includes items 330.63(b)(2)(A) through 330.63(b)(2)(I)]	Required	330.63(b)(2)	Yes	Section 2.0 and Drawings III-1.1 through III-1.8.	
272	Part III	Submit a flow diagram(s) to describe the storage, processing, and disposal sequences for each type of waste and/or feedstock/recyclable	Required	330.63(b)(2)(A)	Yes	Drawing 1.2	
273	Part III	Submit a schematic view drawing(s) showing phases for collection, separation and processing/disposal of each type of waste and/or feedstock/recyclable material	Required	330.63(b)(2)(B)	Yes	Drawing 1.3	
274	Part III	Provide ventilation & odor control measures for each unit	Required	330.63(b)(2)(C)	Yes	Section 2.2.3	
275	Part III	Provide construction details of storage, processing units & components, dimensions, capacity, materials used, etc.	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	-
276	Part III	Provide performance data for all storage and processing units and ancillary equipment	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	
278	Part III	Submit location and engineering designs for containment of storage, processing and loading & unloading areas including freeboard	Required	330.63(b)(2)(F)	Yes	Drawings III-1.4, III-1.5, and III-1.8.	
279	Part III	Describe the storage and handling of grease, oil and sludge, including the maximum time waste will be on-site and details of ultimate disposition	Required	330.63(b)(2)(G)	Yes	NA	The faci therefo
280	Part III	Provide details of effluent disposal	Required	330.63(b)(2)(H)	Yes	NA	
281	Part III	Provide designs for noise pollution control	Required	330.63(b)(2)(I)	Yes	Section 2.25	
282	Part III	Describe how the processing areas will be designed for proper cleaning and to prevent surface water runoff onto, into, and off the treatment areas	Required	330.63(b)(3)(A)	Yes	Section 2.3	
283	Part III	Describe construction material used for walls and floors that can be hosed down and scrubbed	Required	330.63(b)(3)(B)	Yes	Drawing III-1.8	
284	Part III	Describe water or steam connections and equipment for cleaning	Required	330.63(b)(3)(C)	Yes	Section 2.3	
285	Part III	Provide adequate floor drains and/or sumps	Required	330.63(b)(3)(D)	Yes	Section 2.3	

	Endangered Species
	Endangered Species
	Endangered Species
	Endangered Species
	Easements and Buffer Zone
	Geology
	Geology
	General Facility Design
acility will not accept or store grease, oil, or sludge; efore, the requirements of §330.63(b)(2)(G) do not apply	General Facility Design

286						Section 2.3.2	
200	Part III	Describe proper disposal of liquids resulting from waste processing, cleaning, and washing and provide for the treatment of waste water	Required	330.63(b)(4)	Yes	5CC1011 2.5.2	
287	Part III	Describe how facility will be designed to protect endangered species	Required	330.63(b)(5)	Yes	Section 2.4	
336	Part III	Submit if applicable, a floodplain development permit from any agency with jurisdiction over the proposed improvements	Required if Requested	330.63(c)(2)(D)(ii)	Yes	NA	
337	Part III	Submit if applicable a Conditional Letter of Map Amendment from FEMA	Required if Requested	330.63(c)(2)(D)(iii)	Yes	NA	
338	Part III	Submit if applicable, Corps of Engineers Section 404 Specification of Disposal Sites for Dredged or Fill Material permit for construction of all necessary improvements	Required if Requested	330.63(c)(2)(D)(iv)	Yes	NA	
339	Part III	Provide for storage & transfer units a description of design features for the rapid processing and minimum detention of solid waste at the facility	Required	330.63(d)(1)(A)	Yes	Section 4.0	
340	Part III	Provide design features for a facility to prevent the creation of nuisances or public health hazards	Required	330.63(d)(1)(A)	Yes	Secion 4.0	
545	Part III	Indicate that a characterization of the contaminated groundwater, including concentrations of assessment constituents as defined in \$330.409	Required	330.63(f)(7)(A)	Yes	NA	
701	Part III	Specify in the closure plan that the operator will begin closure no later than 30 days after final receipt of waste or no later than one year if the unit has remaining capacity and additional waste may be received	Required	330.457(f)(3)	Yes	NA	
702	Part III	Provide for closure activities to be completed within 180 days of initiation	Required	330.457(f)(4)	Yes	NA	
704	Part III	Acknowledge that following receipt of closure documents and the inspection report by the TCEQ region, the ED may acknowledge termination of operation & closure & deem the facility properly closed	Acknowledgement	330.457(f)(6)	Yes	Yes	
706	Part III	Indicate that notice of closure will be published in the newspaper of largest circulation 90 days prior to the initiation of a final facility closure. The notice shall provide the name, address, and physical location of the facility; the TCEQ authorization number; and the last date of intended receipt of waste.	Required	330.461(a)	Yes	Section 2.0	
707	Part III	Acknowledge that notice of closure will be provided to the ED 90 days prior to the initiation of a final facility closure and that the owner or operator will also make available an adequate number of copies of the approved final closure and post-closure plans (if applicable) for public access and review	Acknowledgement	330.461(a)	Yes	Yes	
708	Part III	Acknowledge that least one closure sign will be posted at every point of access and notify all persons who utilize the facility of the date of closure and the prohibition against further receipt of waste materials	Acknowledgement	330.461(b)	Yes	Yes, Section 2.0	
709	Part III	Indicate that suitable barriers will be installed at all access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.	Required	330.461(b)	Yes	Section 2.0	

	General Facility Design
	General Facility Design
	Surface Water
	Drainage Report
	Surface Water
	Report
	Surface Water Drainage Report
	Waste
	Management Unit Design
	Waste Management Unit Design
	Groundwater
	Sampling & Analysis Plan
Only applicable to landfill units	Closure Plan
Only applicable to landfill units	Closure Plan
	Closure Plan

710	Part III	Indicate that an Affidavit to the Public will be submitted to the ED by registered mail, if waste will remain onsite and indicate that The Owner or Operator will also record a certified notation on the deed to the facility property that the land has been used as a landfill and submit a certified copy of the modified deed to the ED.	Required if Requested	330.461(c )(1)	Yes	Section 3.0	
711	Part III	Acknowledge that a certification, signed by a P.E., will be provided within 10 days of final closure activities, verifying that final facility closure has been completed in accordance with the approved closure plan and will include all applicable documentation necessary for certification	Acknowledgement	330.461(c)(2)	Yes	Yes, Section 3.0	
713	Part III	The owner or operator may request permission from the ED to remove the notation from the deed if all wastes are removed from the facility	Informational	330.461(d)		-	
714	Part III	Submit a closure plan for Storage and Processing units to remove all waste, waste residues, and any recovered materials. Units shall be dismantled and removed off-site or decontaminated	Required	330.459(a)	Yes	Part III, Attachment 2	
715	Part III	Provide plans for the evacuation of all material on-site to an authorized facility and the disinfecting of all contaminated water handling units, tipping areas, processing and post- processing areas (as applicable)	Required	330.459(b)	Yes	Section 2.0	
716	Part III	Acknowledge that if there is evidence of a release, the ED may require an investigation, assessment, and or corrective action.	Acknowledgement	330.459(c)	Yes	Yes, Section 2.0	
717	Part III	Submit a plan (if combustible material is stored outdoors) for closure of a recycling facility that includes collecting processed and unprocessed materials, and transporting the materials to an authorized facility for disposition	Required	330.459(d)(1)	Yes	NA	
718	Part III	Provide for the closure plan to be implemented (if combustible material is stored outdoors) and completed within 180 days following the most recent acceptance of processed or unprocessed materials	Required	330.459(d)(2)	Yes	NA	]
737	Part III	Submit cost estimates for closure & post- closure. Existing facilities must submit a copy of the financial assurance documentation. New facilities must submit financial assurance within 60 days prior to receipt of waste	Required	330.63(j)	Yes	Attachment 3	
742	Part III	Provide cost estimates to close a Recycling facility that stores combustible materials	Required	330.505(a)(1)	Yes	NA	
743	Part III	Provide a closure cost estimate that equals the costs of closure of the facility, including disposition of the maximum inventories of all waste; processed and unprocessed combustible materials stored outdoors on site during the life of the facility	Required	330.505(a)(2)(A)	Yes	Attachment 3, Table III-3.1	
744	Part III	Provide a closure cost estimate that is based on the costs of hiring a third party that is not affiliated with the owner or operator; and is based on a per cubic yard and/or short ton measure for collection and disposition costs.	Required	330.505(a)(2)(B-(C )	Yes	Attachment 3, Section 2.0	

	Closure Plan
	Closure Plan
	Closure Plan
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
	Closure Cost Estimates

745		Drovida for the closure cost estimate & financial				Attachment 3, Section 2.0	
-	Part III	which increase the maximum cost of closure at any time during the active life of the facility	Required	330.505(a)(3)	Yes		
746	Part III	A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure at any time during the remaining life of the facility.	Required if Requested	330.505(a)(4)	Yes	Attachment 3, Section 2.0	
747	Part III	Provide for the maintenance of financial assurance for Recycling facilities that store combustible materials outdoors or that pose a risk	Required	330.505(b)(1)	Yes	NA	
748	Part III	Provide for the maintenance of financial assurance until closure is approved by ED.	Required	330.505(b)(2)	Yes	Attachment 3, Section 2.0	
758	Part IV	A site operating plan shall cover all on-site units in accordance with Subchapters D & E of Chapter 330.	Informational	330.65(a)		-	
785	Part IV	Indicate that the facility will provide the reports required by 30 TAC §330.675 to the Executive Director	Required	330.675	Yes	Section 10.0	
988	Part IV	Provide information identifying any permit required under the TPDES and any permit requirements imposed by other agencies for a grease, grit, & septage processing facility	Required	330.65(d)	Yes	NA	Section 2.1
989	Part IV	Identify source & characteristics of wastes that will be received and Specify any limiting parameters that may influence the design and operation of the facility	Required	330.203(a)	Yes	Section 2.1	
990	Part IV	Provide estimate of the amount of each waste to be received daily, max amount stored at any one time, max & average time waste will remain on- site, max & average processing time, intended destination of generated wastes, & description of how 10% will be recovered if applicable.	Required	330.203(b)	Yes	Section 2.3 and 2.4	
991	Part IV	Acknowledge that 10% recovery of material for beneficial use is considered to be the recovery of fats, oil, and greases, but does not include the recovery of water	Acknowledgement	330.203(b)	Yes	Yes	
1000	Part IV	Acknowledge that failure to achieve the relevant 10 percent recycling rate in any two quarters within any one-year period will cause a registration to terminate and will require the owner or operator of the facility to obtain a permit to continue facility operations.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1
1001	Part IV	Provide for a quarterly report to be submitted that will include volume of waste received, percent solids, and the method of determining the percent solids, processed, disposed, and recycled or reused	Required	330.9(g)(1)	Yes	NA	Section 2.1
1002	Part IV	Provide in the quarterly report, the method(s) utilized to achieve at least 10% recycling or reuse of incoming material	Required	330.9(g)(1)	Yes	NA	Section 2.1
1003	Part IV	Submit a quarterly report that reconciles the volume of waste with the amounts on manifests, shipping documents, or trip tickets and indicate where the recyclable material was taken for recycling	Required	330.9(g)(1)	Yes	NA	Section 2.1
1004	Part IV	Acknowledge that the addition of any material such as lime, polymer, or flocculent added as part of the recycling process is not allowed to be considered as part of the 10% recovery of material from the waste stream and must be subtracted from the material considered as recycled.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1

	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan

	r		1		1		F	1
1005	Part IV	Acknowledge that diverting material from the waste stream without processing is not considered to be recycling as part of this	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
		activity.						
1006		Provide the characteristics and constituent concentrations of wastes generated by the				Section 3.0		
	Dort IV	facility and indicate that documentation that all	Dequired	220.205(a)	Voc			Site Operating
	Part IV	wastes leaving the facility can be adequately	Required	550.205(a)	res			Plan
		managed by other authorized facilities will be						
		provided Indicate that all wastes generated by a facility				Section 3.0		
1007	Part IV	must be processed or disposed at an authorized	l Required	330.205(b)	Yes	Section 5.0		Site Operating
		solid waste management facility		0001200(0)				Plan
1008		Indicate that all wastewaters generated by a				Section 3.0		Site Operating
	Part IV	facility shall be managed as contaminated water	Required	330.205(c)	Yes			Plan
		Indicate that the facility shall be designed and				Section 3.0		
		operated to produce a sludge that is acceptable				Section 5.0		
1010	Part IV	at municipal solid waste landfills and does not	Required If Requested	330.205(d)	Yes		The facility will not generate sludges, therefore the	Site Operating
		exceed standards specified in 30 TAC					requirements of §330.205(d) do not apply.	Plall
1011		§330.205(d)				Continue 2.0	_	
1011		Indicate that sludges exceeding the limits shall				Section 3.0		
		not be disposed in municipal solid waste						
		facility for further processing or disposal as a					The facility will not generate sludges therefore the	Site Operating
	Part IV	hazardous waste as appropriate or disposal as a	Required If Requested	330.205(d)	Yes		requirements of \$330 205(d) do not apply	Plan
		a municipal solid waste landfill with dedicated					requirements of §550.205(d) do not uppi).	1 Iuli
		Class 1 industrial solid waste cells if the sludge						
		is nonhazardous.						
1012		The owner or operator shall not discharge				-		Site Operating
	Part IV	contaminated water without specific written	Informational	330.207(a)				Plan
						Continue 4.0		
		Provide a plan that describes how all liquids				Section 4.0		
1013	Part IV	resulting from the operation of the facility shall	Required	330.207(a)	Yes			Site Operating
		be disposed of in a manner that will not cause	Ĩ					Plan
1014	Part IV	Indicate that contaminated water shall be	Required	330.207(h)	Vec	Section 4.0		Site Operating
	Pattiv	collected and contained until properly managed	. Kequileu	330.207(D)	Tes			Plan
1015	Dowt IV	Indicate that leachate shall be collected and	Dequired	220.207(h)	Vac	NA		Site Operating
	Part IV	contained until properly managed.	Required	330.207(D)	res			Plan
		Indicate that collection units other than storage				NA		Cite On matin -
1016	Part IV	tanks shall have a clay or synthetic liner and the	Required If Requested	330.207(b)	Yes		There are no other collection units other than storage	Site Operating
		TAC \$330 331(b)					tanks at the facility.	riali
1018	Dowt IV	Indicate that the use of leachate & gas	Dequired	220.207(a)	Vac	NA	No mining will be performed at facility	Site Operating
	Pattiv	condensate in mining process is prohibited.	Kequifed	330.207(C)	Tes		No mining will be performed at facility	Plan
1019	Part IV	Indicate that the facility will not discharge to a	Required	330.207(d)	Yes	NA	Section 2.1, the facility will not accept or process grease,	Site Operating
1020		Indicate that off-site discharge of contaminated	-	· ·		Section 4.0	grit, or septage.	Pian
1020	D	waters shall be made only after approval under			<u>, , , , , , , , , , , , , , , , , , , </u>	Section 4.0		Site Operating
	Part IV	the Texas Pollutant Discharge Elimination	Required	330.207(e)	Yes			Plan
		System authority						
1021		facility permitted under Texas Water Code				NA		
		Chapter 26 must not interfere with or pass-						
		through the treatment facility processes or						
		operations, interfere with or pass-through its					Section 2.1 the facility will not accent or process grasse	Site Operating
	Part IV	sludge processes, use, or disposal or otherwise	Acknowledgement	330.207(f)(1)	Yes		grit. or sentage.	Plan
		be inconsistent with the prohibited discharge					0, ocp 000	
		standards, including 40 Code of Federal Regulations Part 403 Constal Protreatment						
		Regulations for Existing and New Source						
		Pollution						

			1			NT A		
1022	Part IV	Indicate that the daily effluent design standard for oil and grease concentration leaving the facility and entering a public sewer system shall not exceed 200 milligrams per liter, the concentration established in the wastewater discharge permit pretreatment limit or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System, or the limits established in 30 TAC §330.207, if the discharge points do not require compliance with locally set limits.	Required	330.207(g)	Yes	NA 	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1023	Part IV	Indicate that lagoons, open-top storage tanks, open vessels, and underground storage units are prohibited at liquid waste transfer facilities	Required	330.207(h)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1024	Part IV	Provide plans demonstrating that all waste shall be stored in such a manner that it does not constitute a fire, safety, or health hazard or provide food or harborage for animals and vectors, and shall be contained or bundled so as not to result in litter	Required	330.209(a)	Yes	Section 5.0		Site Operating Plan
1025	Part IV	Provide a description of on-site storage area for source-separated or recyclable materials that is separate from a transfer station or process area and provides for the control of odors, vectors, and windblown waste	Required If Requested	330.209(b)	Yes	NA, Section 5.0	Since the transfer station will not have an area to receive or stor	Site Operating Plan
1026	Part IV	Provide plans for process area of transfer stations that recover material from putrescible or liquid waste. Such plans shall provide for the storage of processed and unprocessed waste & recycled materials in enclosed buildings, vessels or containers	Required If Requested	330.209(c)	Yes	NA, Section 5.0	Since the transfer station will not have provisions for the recovery of recyclable materials, the requirements of §330.209(c) do not apply.	f Site Operating Plan
1027	Part IV	Provide a plan that describes how all waste containing food wastes shall be stored in covered or closed containers that are leak-proof durable, and designed for safe handling and easy cleaning	, Required	330.211	Yes	Section 6.0		Site Operating Plan
1028	Part IV	Indicate that nonreusable containers shall be of suitable strength to minimize vector scavenging or rupturing.	Required	330.211(1)	Yes	Section 6.0		Site Operating Plan
1029	Part IV	Indicate that reusable containers must be maintained in a clean condition as not to constitute a nuisance, harbor, feed, and propagate vectors.	Required	330.211(2)	Yes	Section 6.0		Site Operating Plan
1030	Part IV	Indicate that any containers emptied manually must be capable of being serviced without physical contact with waste.	Required	330.211(2)(A)	Yes	Section 6.0		Site Operating Plan
1031	Part IV	Indicate that containers that are mechanically handled must be designed to prevent spillage/leakage during storage, handling, and transport.	Required	330.211(2)(B)	Yes	Section 6.0		Site Operating Plan
1032	Part IV	Provide a plan that describes how a citizen's collection stations shall be operated in accordance with 30 TAC \$330.213	Required If Requested	330.213(a)	Yes	NA		Site Operating Plan
1033	Part IV	Indicate that it is the responsibility of the person that owns or operates the collection center to provide for the collection of deposited waste on a scheduled basis and supervise the facility in order to maintain it in a sanitary condition.	Required If Requested	330.213(a)	Yes	NA		Site Operating Plan

		A citizen's collection station may accept sharps				NA		
1034	Part IV	from single-family or multi-family dwellings, hotels, motels, or other establishments that provide lodging and related services for the public. The sharps will not be considered medical waste, as defined in 30 TAC §330.3	Required If Requested	330.213(b)	Yes			Site Operating Plan
1035	Part IV	Provide operational standards for stationary compactors that describe how they will operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition.	Required If Requested	330.215(1) and (2)	Yes	NA, Section 8.0	The Highway 24 Transfer Station will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.	Site Operating Plan
1036	Part IV	Indicate that a copy of the permit or registration, application, and any other plans or related documents, and as-built plans will be maintained in the site operating record and shall be made available for inspections by agency representatives or other interested parties	Required	330.219(a)	Yes	Section 10.0		Site Operating Plan
1037	Part IV	Indicate that operator shall record & retain location restriction demonstrations, inspection records, training procedures, closure plans, monitoring, testing, analytical data relating to closure, cost estimates, financial assurance documents, all correspondence, modification, approvals, manifests, shipping documents, tickets relating to special waste, & documents as specified by the executive director in the operating record.	Required	330.219(b)(1) - (7)	Yes	Section 10.0		Site Operating Plan
1038	Part IV	Indicate that trip tickets will be maintained according to the record retention provisions in 30 TAC \$312,145	Required	330.219(b)(8)	Yes	Section 10.0		Site Operating Plan
1040	Part IV	Indicate that all reports will be signed by a person who is a duly authorized as a signatory for reports. A person is duly authorized if authorized in in writing by the owner or operator in accordance with 30 TAC §305.44(a) and the authorization specifies individual or position with responsibility and this written authorization is submitted to the executive	Required	330.219(c)(1)(A) - (C)	Yes	Section 10.0		Site Operating Plan
1041	Part IV	Acknowledge that if the authorization to sign is not longer accurate a new authorization will be submitted	Acknowledgement	330.219(c)(2)	Yes	Yes		Site Operating Plan
1042	Part IV	Indicate that any person signing a report shall make the certification in 305.44(b).	Required	330.219(c)(3)	Yes	Section 10.0		Site Operating Plan
1043	Part IV	Indicate that the operator shall maintain records on-site, available for inspection by the executive director for a period consisting of the two most recent calendar years	Required	330.219(d)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1045	Part IV	Indicate that the results of final product testing under 30 TAC §330.613 or §332.71 will be maintained in the site operating record	Required	330.219(d)(2)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1046	Part IV	Indicate that copies of annual reports will be maintained in the site operating record for 5yrs	Required	330.219(d)(3)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1047	Part IV	Indicate that the site operating record shall be furnished and available for inspection by executive director	Required	330.219(e)	Yes	Section 10.0		Site Operating Plan
1048	Part IV	Indicate that the operator shall retain site operating record for the life of the facility	Required	330.219(f)	Yes	Section 10.0		Site Operating Plan
1049	Part IV	Indicate that the executive director may set alternative recordkeeping & notification schedules.	Required	330.219(g)	Yes	Section 10.0		Site Operating Plan

-					•	
1051	Part IV	Provide a fire protection plan that describes the source of fire protection (a local fire department, fire hydrants, fire extinguishers, water tanks, water well, etc.), procedures for using the fire protection source, and employee training and safety procedures. The fire protection plan shall comply with local fire codes.	Required	330.221(c)	Yes	Section 11.0
1052	Part IV	Provide a description of the availability of water under pressure for firefighting purposes	Required	330.221(a)	Yes	Section 11.0
1053	Part IV	Provide a description of on-site firefighting equipment	Required	330.221(b)	Yes	Section 11.0
1054	Part IV	Indicate that all employees shall be trained in the contents and use of the fire protection plan	Required	330.221(c)	Yes	Section 11.1
1055	Part IV	Provide a description of the artificial barriers, natural barriers, or a combination of both, appropriate to protect human health and safety and the environment that are used to control access to the facility and indicate that uncontrolled access to the facility shall be	Required	330.223(a)	Yes	Section 12.0
1056	Part IV	Provide a description of the, minimum two lane, access road from the public road and how it is designed for expected traffic volumes and adequate turning radii.	Required	330.223(b)	Yes	Section 12.2
1057	Part IV	Provide a description of vehicle parking for equipment, employees, and visitors. Indicate that safety bumpers at hoppers must be provided for vehicles. And provide a description of the positive means to control dust and mud	Required	330.223(b)	Yes	Section 12.2
1058	Part IV	Provide a description of perimeter control fencing that includes having lockable gates and attendant on site during operating hours. Operating and transport areas shall be enclosed by walls or fencing	Required	330.223(c)	Yes	Section 12.1
1059	Part IV	Provide a description of the unloading areas and indicate that unloading areas will be confined to as small an area as practical and be monitored by attendant.	Required	330.225(a)	Yes	Section 13.0
1060	Part IV	Provide a description of the signs & forced access lanes used to prevent indiscriminate dumping	Required	330.225(a)	Yes	Section 13.0
1061	Part IV	Indicate that the facility is not required to accept any solid waste that he/she determines will cause or may cause problems in maintaining full and continuous compliance	Required	330.225(a)	Yes	Section 13.0
1062	Part IV	Provide procedures to ensure that waste in unauthorized areas is removed immediately and disposed of property.	Required	330.225(b)	Yes	Section 13.0
1063	Part IV	Provide procedures for the detection and prevention of the unloading of processing of prohibited wastes.	Required	3330.225©	Yes	Section 13.0
1064	Part IV	Indicate that prohibited waste must be returned immediately to the transporter or generator.	Required	330.225(c)	Yes	Section 13.0
1065	Part IV	Provide a description of how storage & processing areas are designed to control and contain worst case spill or release and will account for precipitation from a 25-year, 24-	Required	330.227	Yes	Section 14.0
1066	Part IV	Specify the waste acceptance and facility operating hours	Required	330.229(a)	Yes	Section 15.0

Site Operating Plan
Site Operating Plan

T						Section 15.0
1067	Part IV	The waste acceptance hours may be any time between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, unless otherwise approved by the executive director or commission for a permit. The operating hours for operating heavy equipment and transporting materials on- or off-site may be any time between the hours of 5:00 a.m. and 9:00 p.m., Monday through Friday, unless otherwise approved in the authorization.	Required	330.229(a)	Yes	Section 13.0
1068	Part IV	Specify alternative operating hours of up to five days in a calendar year to accommodate special occasions, special purpose events, holidays, or other special occurrences	Required	330.229(b)	Yes	Section 15.0
1069	Part IV	Indicate that the facility will record in the site operating record the dates, times, and duration when any alternative operating hours are utilized.	Required	330.229(d)	Yes	Section 10.0
1070	Part IV	Indicate that the commission's regional offices may allow additional temporary operating hours to address disaster or other emergency situations, or other unforeseen circumstances that could result in the disruption of waste management services in the area.	Required	330.229(c)	Yes	Section 15.0
1071	Part IV	Indicate that a sign measuring at least 4' X 4' must be displayed at all entrances. Indicate that information on the sign must including the facility name and type, hours and days of operation, authorization number, and facility rules	Required	330.231	Yes	Section 16.0
1072	Part IV	Indicate that windblown material and litter shall be collected as necessary, throughout the facility, along fences and access roads, and at the gate, at least once per day on days that the facility is in operation, to minimize unhealthy, unsafe, or unsightly conditions.	Required	330.233(a)	Yes	Section 17.0
1073	Part IV	Indicate the measures used to control windblown waste.	Required	330.233(a)(1)	Yes	Section 17.0
1074	Part IV	Provide a description of fence or screen used to minimize windblown waste if the facility is not completely enclosed.	Required	330.233(b)	Yes	Section 17.0
1075	Part IV	Provide procedures to encourage waste hauling vehicles to cover loads that may include posting signs, reporting offenders, and assessing surcharges.	Required	330.235	Yes	Section 18.0
1077	Part IV	Provide a description of all weather access roads at the facility and how the tracking of mud and debris onto public roadways will be minimized.	Required	330.237(a)	Yes	Section 19.0
1078	Part IV	Provide procedures use to ensure that dust from on-site and other access roadways shall not become a nuisance to surrounding areas and indicate that a water source and necessary equipment or other means of dust control shall be provided.	Required	330.237(b)	Yes	Section 19.0
1079	Part IV	Provide procedures to be used to maintain on site roads and minimize depressions, ruts, and notholes.	Required	330.237(c)	Yes	Section 19.0
1080	Part IV	Describe screening or other means used to prevent noise pollution & adverse visual	Required	330.239	Yes	Section 20.0
1081	Part IV	Provide procedures used to ensure that the design capacity of the facility shall not be exceeded and that waste will not be allowed to accumulate in quantities that create a nuisance, create odors, or harbor vectors	Required	330.241(a)	Yes	Section 21.0

Site Operating Plan
Site Operating Plan

1082	Part IV	Provide procedures that describe how unprocessed grease, grit, & septage will only be stored up to 72hrs.	Required	330.241(a)(1)	Yes	NA	Section
1083	Part IV	Provide procedures that provide for the restriction, diversion or removal of waste if the facility experiences a significant work stoppage.	Required	330.241(b)	Yes	Section 21.0	
1084	Part IV	Provide an alternative processing/disposal procedures for when facility is inoperable for more than 24hrs.	Required	330.241(c)	Yes	Section 21.0	
1085	Part IV	Provide procedures for washing down all working surfaces in contact with waste at least weekly or twice per week for facilities that operate continuously.	Required	330.243(a)	Yes	Section 22.0	
1086	Part IV	Provide procedures to ensure that wash water shall not be allowed to accumulate without proper treatment.	Required	330.243(b)	Yes	Section 23.0	
1087	Part IV	Provide procedures that demonstrate that wash water shall be collected & disposed of in an authorized manner.	Required	330.243(c)	Yes	Section 4.0	
1088	Part IV	Acknowledge that air emissions from municipal solid waste facilities must not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act.	Acknowledgement	330.245(a)	Yes	Yes	
1090	Part IV	Provide a description of odor-retaining containers & vessels used to store liquid and solid waste	Required	330.245(c)	Yes	Section 23.0	
1091	Part IV	Provide a description of how the facility has been designed and will be operated to provide adequate ventilation and prevent nuisance odors from leaving boundary of facility	Required	330.245(d)	Yes	Section 23.0	
1092	Part IV	Indicate that air pollution emission capture & abatement equipment shall be cleaned and maintained per manufacturer's recommendations and as necessary so that the equipment efficiency can be adequately maintained	Required	330.245(e)	Yes	Section 23.0	
1093	Part IV	Provide a description of the measures/equipment, in accordance with 30 TAC §330.245(f)(1) – (4), that will be use to control odor at the facility.	Required	330.245(f)(1) - (4)	Yes	Section 23.0	
1094	Part IV	Indicate that the process areas that recover material from solid waste that contains putrescibles shall be maintained totally within an enclosed building and describe how openings to the process area shall be controlled to prevent releases of nuisance odors from leaving the property boundary of the facility.	Required	330.245(g)	Yes	Section 23.0	
1095	Part IV	Provide a description of how facility shall be designed to allow a minimal time of exposure of liquid waste to the air and minimize waste contact with air during unloading of liquid waste into the facility.	Required	330.245(h)	Yes	Section 23.0	
1096	Part IV	Acknowledge that the reporting of emissions events shall be made in accordance with §101.201 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements) and reporting of scheduled maintenance shall be made in accordance with §101.211 of this title (relating to Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements).	Acknowledgement	330.245(j)	Yes	Yes	

Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
	Site Operating Plan

1097	Part IV	Provide procedures for the control of ponded water to avoid its becoming a nuisance and alleviate any objectionable odors	Required	330.245(k)	Yes	Section 23.0	Site Operating Plan
1098	Part IV	Indicate that facility personnel will be trained in the appropriate sections of the facility's health and safety plan.	Required	330.247	Yes	Section 24.0	Site Operating Plan
1099	Part IV	Indicate that the facility shall provide potable water and sanitary facilities for all employees and visitors.	Required	330.249	Yes	Section 25.0	Site Operating Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS



**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

2022 SCS ENGINEERS

**Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 Revision 5: March 2022 SCS Project No. 16219083

#### TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUPI	LEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))
	1.5	Legal Authority (30 TAC §330.59(e))
	1.6	Evidence of Competency (30 TAC §330.59(f))
	1.7	Appointments (30 TAC §330.59(g))I/II-2
	1.8	Application Fees (30 TAC §330.59(h))I/II-2
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))TBPE Reg. # F-3407.1/II-3
2	FAC	.ITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	ING CONDITIONS SUMMARYI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site AccessI/II-14
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport LocationsI/II-16 SCS Engineers
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List

#### Transfer Station Solutions Highway 24 Transfer Station Supplementary Technical Report

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8). Transfer Station Solutions, LLC is applying to the Texas Commission on Environmental Quality (TCEQ) for a Type V MSW facility permit for a transfer station in Hunt County.

The transfer station will be located on a 5.9-acre tract located approximately four miles north of Campbell, Texas at 3491 State Highway 24 (SH 24). This tract is on the east side of SH 24 approximately 0.4 mile north of the intersection of SH 24 and Country Road 4317. The sole access road that will be used by vehicles accessing the facility is SH 24. In the vicinity of the transfer station, SH 24 is a four-lane divided highway maintained by the Texas Department of Transportation (TxDOT). Although, SH 24 is a divided highway, there is a 2-lane crossover at the site entrance to allow southbound vehicles to turn left into the facility via a turn lane. There are no weight restrictions on this road other than the legal load limit of 80,000 pounds. The on-site road from SH 24 to the transfer station will be a paved, all-weather road.

The types of solid waste to be accepted at the transfer station include the following: municipal solid waste, construction-demolition waste, yard waste, and Class 2 and 3 nonhazardous industrial solid waste. Consistent with 30 TAC §330.15(e), the facility will not accept regulated hazardous waste, Class 1 industrial solid waste, PCBs, and all other prohibited waste defined therein.

All waste unloading and loading onto transfer trailers will be conducted within the transfer station building.

This transfer station will serve residences and businesses in Hunt County and surrounding counties. The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimate to be approximately 1,000 tons per day, or 312,000 tons per year. The annual waste transfer rate, described above, is based on 312 operating days per year.

The North Central Texas Council of Governments (NCTCOG) has developed the Regional Solid Waste Management Plan (RSWMP) for a 16 county region, which includes Hunt County. NCTCOG's RSWMP is presented in "Planning of Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. This RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed transfer station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

## 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

## 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions. No person or entity other than Transfer Station Solutions will own more than 20% of the transfer station; Josh Bray is the sole owner and the only principal of Transfer Station Solutions. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

## 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II. Transfer Station Solutions does not currently own or operate any other facilities in any state, territory or country.

## 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

## 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC 330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to

this permit application will also be posted at the same location. This internet posting is for informational purposes only.

In accordance with 30 TAC \$330.57(i)(3), the owner or operator will post notice signs at the site within 30 days of the executive director's receipt of this application. The sign posting is for informational purposes only. The signs will:

- Have a white background and be no smaller than four feet by four feet
- Consist of dark lettering, with letters at least three inches in height and block printed capital lettering
- Identify, as appropriate, that the application is for a proposed facility
- Include the words "For further information on how the public may participate in Texas Commission on Environmental Quality (TCEQ) permitting matters, contact TCEQ," the toll free telephone number for the Office of Public Assistance, and the agency's Web site address
- Include the name and address of the owner or operator
- Include the telephone number of the owner or operator
- Remain in place and legible until the close of the final comment period

As applicable, signs will be located within ten feet of every property line bordering State Highway 24 (SH 24). The signs will be visible from the street and spaced at not more than 1,500-foot intervals. As such, a minimum of one sign, but no more than three signs, will be placed along SH 24.

## 1.10 REQUIRED PERMITS/AUTHORIZATIONS (30 TAC §305.45(a)(7))

In accordance with 30 TAC §305.45(a)(7), the required permits and authorizations for the facility are summarized below in Table I/II-1.1.

Permit/Authorization Status	Program
N/A	Hazardous Waste Management program under the Texas Solid Waste Disposal Act
N/A	Underground Injection Control (UIC) program under the Texas Injection Well Act
N/A	National Pollution Discharge Elimination Systems (NPDES) program under the Federal Clean Water Act (CWA) and Waste Discharge program under the Texas Water Code, Chapter 26
N/A	Prevention of Significant Deterioration (PSD) Program under the Federal Clean Air Act
N/A	Nonattainment Program under the Clean Air Act

N/A	National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act
N/A	Ocean dumping permits under the Marine Protection Research and Sanctuaries Act
N/A	Dredge and fill permits under the Federal Clean Water Act
N/A	Licenses under the Texas Radiation Control Act
RQD	NPDES Stormwater Pollution Control §402 Permit
N/A	U.S. Army Corps of Engineers Dredge and Fill Permit §404
N/A	Subsurface area drip dispersal system permits under the Texas Water Code, Chapter 32
RQD (see note 1 below)	TCEQ Air Quality Permit or Registration

Notes: N/A = Not Applicable REC = Received

RQD = RequiredAPP = Applied For

1. Standard Air Permit for MSW Transfer Stations (30 TAC § 330.981 et seq.).

## 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior walls/panels, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

## 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

### 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. The parameter limitations, as required by §330.203(a), applicable to this facility re described below and in Section 2 of Part IV, Appendix IV-1 – Waste Acceptance Plan.

The transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
  - Waste generated outside the boundaries of Texas that contains any Class 2 and 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities; or any other special waste that is accepted at the facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).

• Class 3 Wastes - Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - Slaughterhouse wastes
  - Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.

- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

#### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

#### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year ÷ 0.78 tons/person/year
	= 400,000 persons

### 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of

God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ, such as the Blossom Prairie Landfill (TCEQ Permit No. 2358). Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

## 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter has been sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter has also been sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence are included in Part I/II, Appendix I/II-A.1. As noted in the November 10, 2021 letter from the NCTCOG, "...the Resource Conservation Council (RCC) found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan…"
### 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

#### 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

#### 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

#### 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in Acres)	Percentage of Total Area
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	158.5	6.8
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1365.9	58.4
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

#### 3.1.3 Population and Community Growth Trends

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

#### Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

In communications with Hunt County, it was confirmed that there have not been any plats for developments within five miles of the transfer station, as of November 2021. Furthermore, a ground survey of the area did not reveal any growth trends or direction of major development within five miles of the proposed transfer station.

#### 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

#### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

#### <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### <u>Churches</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### Cemeteries

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station, (2) noting the low potential for cultural resources, and (3) a documented cultural resource located approximately 0.8 mile from the site. Consistent with THC protocol, this site has not been located on a map. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### Miscellaneous Uses

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

#### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

#### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

#### 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;

• documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24. An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will include two 12-foot inbound lanes, and a single 15-foot outbound lane, and will be an all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

As confirmed with TxDOT, the maximum legal weight limit for SH 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.

Correspondence with TxDOT is included in Appendix I/II-A.3.

#### 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count

data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

#### Table I/II-3.3: Existing and Future Traffic Volumes for State Highway 24

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

Future traffic projections are based on an average annual growth rate for Hunt County of 0.64%. The projected traffic volumes on SH 24 for 2050 were calculated as 12,623 vehicles per day within one mile of the facility. The maximum projected traffic generated by the facility (174 vehicles per day) represents 1.38% of the traffic on SH 24 (see Section 3.2.3 below). As per guidelines provided in Highway Capacity Manual, Transportation Research Board, Washington DC, Report #209, the capacity of SH 24 is approximate 57,600 vehicles per day in one directional traffic flow for two lanes of traffic at Level of Service (LOS) B. Hence, the capacity of SH 24 is more than adequate for the total projected traffic volumes during the expected life of the facility.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
Vehicle Type	At Initial Waste Acceptance Rate (400 tons/day)	At Max Waste Acceptance Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small vehicles	10	20	
Transfer Station Operators' Personal Vehicles	2	4	
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

Table I/II-3.4:	Facility	Generated	Traffic
-----------------	----------	-----------	---------

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. There is a gross vehicle weight limit of 80,000 pounds for SH24. Based on the findings of this traffic study and communications with TxDOT, there are no other existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

#### 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

#### 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

#### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

# 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

#### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### <u>References:</u>

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

# 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

#### 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

#### 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the permit area does not include any of the characteristics of a wetland and is not within a wetland. Consistent with §330.553(b)(2), the facility will not cause or contribute to violations of any applicable water quality standard, violate any applicable toxic effluent standard or prohibition under the Clean Water Act, jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary.

A copy of IES's study report is included in Appendix I/II-B.

#### 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks, or natural/managed areas within the survey area ... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species." In view of the above, consistent with §330.551 and §330.61(n), operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

#### 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

#### **APPLICATION FORMS**

Applicant's Ex. 1, p. 000047

#### PART I APPLICATION FORM

Applicant's Ex. 1, p. 000048

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 9/8/2021

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal	
🗌 Initial Submittal	$\boxtimes$ Notice of Deficiency (NOD) Response	
2. Authorization Type	2	
🛛 Permit	Registration	
3. Application Type		
🛛 New Permit 🗌 Pern	nit Major Amendment 🗌 Permit Major Amendment (Limited Scope)	
New Registration		
4. Application Fees		
Amount		
$\boxtimes$ \$2,050 for Permits	and Permit Amendments 🛛 🗍 \$150 for Registrations	
Payment Method		
□ Check		
If paid online, enter eP	ay Trace Number: 582EA000443364	
5. Application URL		
Is the application subm	nitted for a Type I Arid Exempt (AE) or Type IV AE facility?	
🗌 Yes 🛛 No		
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-transfe		

6. Application Publishing
Party Responsible for Publishing Notice:
Applicant Agent in Service Consultant
Contact Name: Ryan Kuntz, P.E. Title: Vice President
7. Alternative Language Notice
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)
8. Public Place Location of Application
Name of the Public Place: Commerce Public Library
Physical Address: 1210 Park Street
City: Commerce County: Hunt State: TX Zip Code: 75428
(Area code) Telephone Number: 903-886-6858
9. Consolidated Permit Processing
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?
□ Yes □ Not Applicable
If "Yes", state the other TCEQ program authorizations requested:
10. Confidential Documents
Does the application contain confidential documents?
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."

Permit or Approval	Received	Pending	Not Applicable
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$	
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$
Dredge or Fill Permits under the CWA			$\boxtimes$
Licenses under the Texas Radiation Control Act			$\boxtimes$
Other (describe)			

#### **12.** General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)		
🗌 Туре I	🗌 Тур	e IV 🛛 Type V	
🗌 Туре I АЕ	🗌 Type IV AE	Type VI	
14. Activities Cor	nducted at the	Facility	
Storage	Processing		
15. Facility Wast	e Management	: Unit(s)	
Landfill Unit(s)		Incinerator(s)	
Class 1 Landfill	l Unit(s)	Autoclave(s)	
Process Tank(s	5)	Refrigeration Unit(s)	
Storage Tank(s	5)	Mobile Processing Unit(s)	
Tipping Floor		Type VI Demonstration Unit	
Storage Area		Compost Pile(s) and/or Vessel(s)	
Container(s)		Other (specify):	
Roll-off Boxes		Other (specify):	
Surface Impou	ndment	Other (specify) <b>transfer station</b>	
16. Description o	of Proposed Fac	cility or Changes to Existing Facility	
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an			
non-hazardous waste transfer station			
17. Facility Conta	act Information	n	
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC	
Customer Referen	ce No. (if issued	I)*: CN <b>605924968</b>	
Contact Name: Jo	osh Bray	Title: President	
Mailing Address:	P.O. 6427		
City: Paris Count	ty: <b>Lamar</b> State	e: <b>TX</b> Zip Code: <b>75461</b>	
(Area Code) Telep	hone Number: 9	903) 517-6268	
Email Address: jo	oshbray@sudd	enlinkmail.com	
TX Secretary of St	tate (SOS) Filing	Number: 802693685	
*If the Site Operator ( (TCEQ-10400) and sub	Permittee/Registran omit it with this appl	t) does not have this number, complete a TCEQ Core Data Form ication. List the Site Operator (Permittee/Registrant) as the Customer.	

	Operator Name <sup>1</sup> : Same as S	ite Operator	/ Permittee
	Customer Reference No. (if issu	ued)*:	
	Contact Name:	Title	:
	Mailing Address:		
	City: County:	State:	Zip Code:
	(Area Code) Telephone Numbe	r:	
	Email Address:		
	TX SOS Filing Number:		
	<sup>1</sup> If the Operator is the same as Site Op *If the Operator does not have this nu this application. List the Operator as th <b>Consultant Name (if applica</b>	perator/Permittee t mber, complete a ne customer. ble): SCS Eng	ype "Same as "Site Operator (Permittee/Registrant)". TCEQ Core Data Form (TCEQ-10400) and submit it with <b>Jineers</b>
	Texas Board of Professional En	gineers Firm R	egistration Number: F-3407
	Contact Name: Ryan Kuntz		Title: Vice President
	Mailing Address: 1901 Centra	al Drive, Suite	2 550
	City: Bedford County: Tarrar	nt State: TX	Zip Code: <b>76021</b>
	(Area Code) Telephone Number: (817) 571-2288		
	E-Mail Address: rkuntz@scser	ngineers.com	
	Agent in Service Name (required only for out-of-state).		
	Mailing Address:		
	City: County:	State:	Zip Code:
	(Area Code) Telephone Numbe	r:	•
	E-Mail Address:		
	18. Facility Supervisor's Lice	ense	
	Select the Type of License that Chapter 30, Occupational Licen facility operations.	the Solid Wast	te Facility Supervisor, as defined in 30 TAC rations, will obtain prior to commencing
_	10. Our and the Child	<b>F</b> !!!!	
	19. Ownership Status of the	Facility	

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

TCEQ-0650, Part I Application (rev. 09-01-2019)

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Health Department

Contact Person's Name: Dr. Gina Rushing

Street Address or P.O. Box: 2701 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4140

E-Mail Address (optional):

#### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A
Contact Person's Name:
Watershed Sub-Basin Name:
Street Address or P.O. Box:
City: County: State: Zip Code:
(Area Code) Telephone Number:
E-Mail Address (optional):
Coastal Management Program Is the facility within the Coastal Management Program boundary?
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?
If "Yes", provide a copy of the ordinance or order as an attachment.

#### **Signature Page**

I, <u>Josh Bray</u> , (Site Operator (Permittee/Registrant)'s Authorized Signatory)	<u>President,</u> (Title)
certify under penalty of law that this document and all attachments we my direction or supervision in accordance with a system designed to as personnel properly gather and evaluate the information submitted. Ba the person or persons who manage the system, or those persons direct gathering the information, the information submitted is, to the best of belief, true, accurate, and complete. I am aware there are significant submitting false information, including the possibility of fine and impris- violations	re prepared under soure that qualified sed on my inquiry of tly responsible for my knowledge and penalties for sonment for knowing
Signature:	Date: 9-8-21
·····///······························	·
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED REPRESENTATIVE FOR THE OPERATOR	) BY AN AUTHORIZED
I, , hereby designate	
(Print or Type Operator Name) (Print or Type Representa	itive Name)
as my representative and hereby authorize said representative to sign submit additional information as may be requested by the Commission me at any hearing or before the Texas Commission on Environmental C with this request for a Texas Water Code or Texas Solid Waste Disposa further understand that I am responsible for the contents of this applic statements given by my authorized representative in support of the ap compliance with the terms and conditions of any permit which might be this application.	any application, ; and/or appear for Quality in conjunction Act permit. I ation, for oral plication, and for e issued based upon
Printed or Typed Name of Operator or Principal Executive Officer	
Signature	
SUBSCRIBED AND SWORN to before me by the said 205h Bran	
On this o day of sept, aval	
My commission expires on the <u>24</u> day of <u>June</u> , <u>2023</u>	
(Note: Application Must Bear Signature & Seal of Notary Public)	
JERI GOLDEN NOTARY PUBLIC STATE OF TEXAS Ligit 128655882 My Commission Expires 06/24/2023	

#### **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those appl	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🛛 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

-Transaction Information							
Transaction Information							
Trace Number:	582EA000443364						
Date:	08/13/2021 11:42 AM						
Payment Method:	CC - Authorization 0000035943						
ePay Actor:	KRYSTAL KUNTZ						
Actor Email:	kkuntz@scsengineers.com						
IP:	99.103.207.251						
TCEQ Amount:	\$2,050.00						
Texas.gov Price:	\$2,096.38*						
* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.							
Payment Contact Information							

Name: ANDREW ARD
Company: SCS ENGINEERS
Address: 1901 CENTRAL DRIVE SUITE 550, BEDFORD, TX 76021
Phone: 817-571-2288

#### Cart Items

Click on the voucher number to see the voucher details.

Vouc	her	Fee Description	AR Number	Amount
5233	56	NONHAZARDOUS WASTE PERMIT - NEW & AMENDMENTS (INCLUDING LIMITED SCOPE)		\$2,000.00
5233	57	30 TAC 305.53B WASTE NOTIFICATION FEE	TCEQ Amount:	\$50.00 \$2,050.00

ePay Again Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Site Help | Disclaimer | Web Policies | Accessibility | Our Compact with Texans | TCEQ Homeland Security | Contact Us Statewide Links: Texas.gov | Texas Homeland Security | TRAIL Statewide Archive | Texas Veterans Portal

© 2002-2021 Texas Commission on Environmental Quality

#### TCEQ CORE DATA FORM

Applicant's Ex. 1, p. 000060



## **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

<u>n</u>								
l please describe in	n space p	orovided.)						
(Core Data Form sh	hould be	submittee	d with t	the program application	n.)			
Renewal (Core Data Form should be submitted with the renewal form)   Other								
2. Customer Reference Number ( <i>if issued</i> ) Follow this link to search 3. Regulated Entity Reference Number ( <i>if issued</i> )								
for CN or RI Central F	<u>N number</u> Registry**	mbers in stry** RN						
<u>tion</u>								
fective Date for Cu	ustomer	Informat	ion Up	odates (mm/dd/yyyy)				
Update to Cu	ustomer	Informatio	on	Change in	Regulated E	ntity Ownership		
exas Secretary of S	State or T	Fexas Co	mptrolle	er of Public Accounts)				
may be update	d autoi	matical	ly bas	sed on what is cu	rrent and	active with the		
xas Comptrolle	er of Pu	ıblic Ac	coun	ts (CPA).				
ast name first: eg: Doe	e, John)		<u>lf nev</u>	v Customer, enter previ	ous Custome	er below:		
State Tax ID (11 dig	gits)		9. Fe	ederal Tax ID (9 digits)	10. DUN	S Number (if applicable)		
63413036			82-1					
$\square$	] Individu	ual		Partnership: 🔲 Gener	al 🗌 Limited			
] Other	] Sole Pr	roprietors	hip	Other:				
51-500 🗌 501 a	and highe	ər	13. lr 🔀 Y	ndependently Owned ⁄es	and Opera	ted?		
lates to the Regulated	d Entity lis	sted on this	s form. I	Please check one of the	following			
	Owner &	Operator						
Party 🗌 \	Voluntary	/ Cleanup	Applic	cant Other:				
ns, LLC								
State	TX	ZI	<b>P</b> 7	75461	ZIP + 4			
		17. E-Ma	ail Add	dress (if applicable)				
		joshbr	ay@s	suddenlinkmail.c	om			
19. Extens	sion or C	ode	-	20. Fax Numbe	<b>r</b> (if applicat	ole)		
( 903 ) 571-6268								
	n         I please describe in         Core Data Form side         initted with the rener         I please describe in         for CN or R         Central         tion         iective Date for Cu         exas Secretary of S         may be update         ist name first: eg: Do         State Tax ID (11 di         63413036         I other         I other </td <td>n         I please describe in space p         Core Data Form should be         initted with the renewal form,         Follow this link to sear         for CN or RN number         Central Registry**         tion         fective Date for Customer         Update to Customer         exas Secretary of State or 1         may be updated autoux         xas Comptroller of Pu         ist name first: eg: Doe, John)         State Tax ID (11 digits)         63413036         Individu         0ther       Sole Pi         51-500       501 and hight         lates to the Regulated Entity list         Party       Voluntary         ns, LLC       State         19. Extension or C</td> <td>n   I please describe in space provided.)   (Core Data Form should be submitted   nitted with the renewal form)   Follow this link to search   for CN or RN numbers in   Central Registry**   Ective Date for Customer Information External Registry Endities to the customer of Public Account and the search of the second and the second</td> <td>n         I please describe in space provided.)         Core Data Form should be submitted with it         itted with the renewal form)       Oth         Follow this link to search for CN or RN numbers in Central Registry**       3. Regul         fective Date for Customer Information       RN         itted with the renewal for Customer Information       Information         itted with the renewal for Customer Information       Information         itted with the comparison       Information         itted with the renewal for Customer Information       Information         itted with the comparison       Information         itteras Secretary of State or Texas Comptroller of Public Account       Information         itterast name first: eg: Doe, John)       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe for t</td> <td><b>1</b>         I please describe in space provided.)         (Core Data Form should be submitted with the program application itted with the renewal form)       Other         Follow this link to search for CN or RN numbers in Central Registry**       <b>3. Regulated Entity Reference</b> <b>RN</b>         tion       RN         fective Date for Customer Information Updates (mm/dd/yyyy)       Change in exas Secretary of State or Texas Comptroller of Public Accounts) may be updated automatically based on what is curve (xas Comptroller of Public Accounts (CPA).         Individual       Partnership: Gener         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       82-1135543         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       Sole Proprietorship       Other:         31-500       501 and higher       13. Independently Owned Sole Proprietorship       No         Iates to the Regulated Entity listed on this form. Please check one of the Owner &amp; Operator       No         Party       Voluntary Cleanup Applicant       Other:         ns, LLC       17. E-Mail Address (if applicable) joshbray@suddenlinkmail.c       joshbray@suddenlinkmail.c</td> <td><b>1</b>         I please describe in space provided.)         Core Data Form should be submitted with the program application.)         iitted with the renewal form)       Other         Follow this link to search for CN or RN numbers in Central Registry**       3. Regulated Entity Reference Number (if RN)         iton       State for Customer Information Updates (mm/dd/yyyy)         Update to Customer Information       Change in Regulated Excounts)         may be updated automatically based on what is current and xas Comptroller of Public Accounts (CPA).         st name first: eg: Doe, John)       If new Customer, enter previous Custome (If new Customer, enter previous Custome)         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       82-1135543         N/A       State Tax ID (11 digits)         0 ther       Sole Proprietorship       Other:         31-500       501 and higher       13. Independently Owned and Opera         Cowner &amp; Operator       No         Party       Voluntary Cleanup Applicant       Other:         1s, LLC       17. E-Mail Address (if applicable)       joshbray@suddenlinkmail.com         19. Extension or Code       20. Fax Number (if applicate (if</td>	n         I please describe in space p         Core Data Form should be         initted with the renewal form,         Follow this link to sear         for CN or RN number         Central Registry**         tion         fective Date for Customer         Update to Customer         exas Secretary of State or 1         may be updated autoux         xas Comptroller of Pu         ist name first: eg: Doe, John)         State Tax ID (11 digits)         63413036         Individu         0ther       Sole Pi         51-500       501 and hight         lates to the Regulated Entity list         Party       Voluntary         ns, LLC       State         19. Extension or C	n   I please describe in space provided.)   (Core Data Form should be submitted   nitted with the renewal form)   Follow this link to search   for CN or RN numbers in   Central Registry**   Ective Date for Customer Information External Registry Endities to the customer of Public Account and the search of the second and the second	n         I please describe in space provided.)         Core Data Form should be submitted with it         itted with the renewal form)       Oth         Follow this link to search for CN or RN numbers in Central Registry**       3. Regul         fective Date for Customer Information       RN         itted with the renewal for Customer Information       Information         itted with the renewal for Customer Information       Information         itted with the comparison       Information         itted with the renewal for Customer Information       Information         itted with the comparison       Information         itteras Secretary of State or Texas Comptroller of Public Account       Information         itterast name first: eg: Doe, John)       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe, John       If new         ist name first: eg: Doe for t	<b>1</b> I please describe in space provided.)         (Core Data Form should be submitted with the program application itted with the renewal form)       Other         Follow this link to search for CN or RN numbers in Central Registry** <b>3. Regulated Entity Reference</b> <b>RN</b> tion       RN         fective Date for Customer Information Updates (mm/dd/yyyy)       Change in exas Secretary of State or Texas Comptroller of Public Accounts) may be updated automatically based on what is curve (xas Comptroller of Public Accounts (CPA).         Individual       Partnership: Gener         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       82-1135543         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       Sole Proprietorship       Other:         31-500       501 and higher       13. Independently Owned Sole Proprietorship       No         Iates to the Regulated Entity listed on this form. Please check one of the Owner & Operator       No         Party       Voluntary Cleanup Applicant       Other:         ns, LLC       17. E-Mail Address (if applicable) joshbray@suddenlinkmail.c       joshbray@suddenlinkmail.c	<b>1</b> I please describe in space provided.)         Core Data Form should be submitted with the program application.)         iitted with the renewal form)       Other         Follow this link to search for CN or RN numbers in Central Registry**       3. Regulated Entity Reference Number (if RN)         iton       State for Customer Information Updates (mm/dd/yyyy)         Update to Customer Information       Change in Regulated Excounts)         may be updated automatically based on what is current and xas Comptroller of Public Accounts (CPA).         st name first: eg: Doe, John)       If new Customer, enter previous Custome (If new Customer, enter previous Custome)         State Tax ID (11 digits)       9. Federal Tax ID (9 digits)         63413036       82-1135543         N/A       State Tax ID (11 digits)         0 ther       Sole Proprietorship       Other:         31-500       501 and higher       13. Independently Owned and Opera         Cowner & Operator       No         Party       Voluntary Cleanup Applicant       Other:         1s, LLC       17. E-Mail Address (if applicable)       joshbray@suddenlinkmail.com         19. Extension or Code       20. Fax Number (if applicate (if		

#### **SECTION III: Regulated Entity Information**

**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application) New Regulated Entity Update to Regulated Entity Name Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station

	3491 H	WY 24					2					
the Regulated Entity:												
(No PO Boxes)	City	Campbel	1	State	T	X	ZIP	7542	22	ZIP	+ 4	
24. County	Hunt											
	Enter Physical Location Description if no street address is provided.											
25. Description to Physical Location:	0.4 mil	0.4 mile north of County Road 4317 on State Highway 24										
26. Nearest City	State Nearest ZIP Code											
Campbell								TX			754	22
27. Latitude (N) In Decim	nal:	33.196833	3°			28. L	ongitude (	W) In De	ecimal:	95.92	2319	4°
Degrees	Minutes		Second	ds		Degree	es		Minutes		Seconds	
33		11		48.6			95			55 23.5		
29. Primary SIC Code (4 digits)       30. Secondary SIC Code (4 digits)       31. Primary NAICS Code (5 or 6 digits)       32. Secondary NAICS Code (5 or 6 digits)									CS Code			
5093	42	212			56	2111						
33. What is the Primary	Business	of this entity?	(Do no	t repeat the SIC	or NA	ICS desc	cription.)					
solid waste collection	on and t	ansportation	n									
						ΡO	Box 6427					
34. Mailing												
Address:	City	Paris		State		ТΧ	ZIP		75461	ZIF	<b>0</b> + 4	
35. E-Mail Address:					josl	nbray@	suddenli	nkmail.c	om			
36. Telephone Number				37. Extensio	on or	Code		3	38. Fax Number (if applicable)			
(903)5	517-6268								(	) .	0	
9. TCEQ Programs and ID	Numbers	Check all Progra	ms and	write in the pe	rmits/	registra	tion number	s that will	be affected	by the u	pdates	submitted on this
		or adultional guiu		Edwarde Aqu	ifor		Emiss	ions Inve	ntory Air	∏ In	dustrial	Hazardous Waste

-

#### **SECTION IV: Preparer Information**

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address
(817) 358-6105	<b>(</b> 817 <b>)</b> 571-2188	kyard@s	scsengineers.com

#### **SECTION V: Authorized Signature**

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Transfer Station Solutions, LLC	Job Title:	Presiden				
Name (In Print):	Josh Bray			Phone:	( 903 ) 517- 6268		
Signature:	Alr			Date:	8/12/21		
- <b>U</b>	pr 1						



## **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

<u>SECTION</u>	I: Ger	<u>ieral Inforn</u>	<u>nation</u>									
1. Reason fo	or Submis	<b>sion</b> (If other is a	hecked pleas	e desci	ribe in s	space	provide	d.)				
🛛 New Per	rmit, Regi	stration or Authori	zation (Core	Data Fo	orm sho	ould be	e submi	tted w	ith the p	orogram applicatio	n.)	
Renewal (Core Data Form should be submitted with the renewal form)     Other												
2. Customer Reference Number ( <i>if issued</i> ) Follow this link to search 3. Regulated Entity Reference Number ( <i>if issued</i> )								f issued)				
CN				for CN Ce	<u>N or RN</u> entral Re	RN numbers in al Registry**     RN						
<b>SECTION</b>	II: Cu	stomer Info	ormation									
4. General C	ustomer	Information	5. Effective	e Date f	for Cus	stome	r Inforr	natior	Updat	<b>es</b> (mm/dd/yyyy)		
New Cust	omer			Update	to Cus	stomer	Inform	ation		Change in	Regulated E	Entity Ownership
Change in	Legal Na	me (Verifiable wit	h the Texas S	Secreta	ry of St	ate or	Texas	Compt	roller of	Public Accounts)		
The Custo	mer Nai	me submitted	here may	be up	dated	auto	matic	ally l	based	on what is cu	rrent and	active with the
Texas Sec	retary o	f State (SOS)	or Texas C	compt	roller	of P	ublic	4cco	unts (	CPA).		
6. Customer	Legal Na	<b>me</b> (If an individua	l, print last nam	e first: e	eg: Doe,	John)		<u>If</u>	new Cu	stomer, enter previ	ious Custome	er below:
Lamar Par	rtners, I	LLC										
7. TX SOS/CI	PA Filing	Number	8. TX State	Tax ID	<b>)</b> (11 digit	ts)		9	Federa	al Tax ID (9 digits)	10. DUN	S Number (if applicable)
11. Type of C	Customer	: 🗌 Corporat	ion			Individ	lual		Pa	rtnership: 🔲 Gener	al 🛛 Limited	
Government:	🗌 City 🔲	County 🗌 Federal	] State 🗌 Othe	r		Sole F	Propriet	orship		Other:		
12. Number of	of Employ	/ees						1	3. Indep	pendently Owned	l and Opera	ted?
0-20	21-100	101-250	251-500		501 ar	nd high	ier		Yes	∐ No		
14. Custome	r Role (Pr	oposed or Actual) -	- as it relates to	the Re	gulated	Entity I	isted on	this fo	rm. Plea	se check one of the	following	
Owner		🗌 Opera	tor		0	wner 8	opera	itor		_		
	nal Licens	see 🗌 Respo	nsible Party			oluntar	y Clear	nup Ap	plicant	⊠Other: pr	operty own	er
	3737 ]	Lamar Avenu	e									
15. Mailing Address:	Suite	700										
	City	Paris		S	State	TX		ZIP	754	60	ZIP + 4	
16. Country I	Mailing In	formation (if outsi	de USA)			1	17. E	-Mail /	Addres	S (if applicable)		I
	•		,				brac	l.dral	ce@la	marteam.com	l	
18. Telephon	ne Numbe	r		19. E	xtensi	on or (	Code		)	20. Fax Numbe	r (if applicat	ole)
( 903 ) 51	7-9006									( 903 ) 784	-4768	
· ,				I						· ·		

#### **SECTION III: Regulated Entity Information**

**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected below this form should be accompanied by a permit application) New Regulated Entity Update to Regulated Entity Name Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station (owned by Transfer Stations Solutions, LLC)

23. Street Address of the Regulated Entity: ( <u>No PO Boxes)</u>	3491 HWY 24										
	City	Campbell	State	TX	ZIP	75422	ZIP + 4				
24. County											
	E	inter Physical Loc	ation Descri	ption if no s	treet addre	ess is provided.					
25. Description to Physical Location:	0.4 mile	e north of Cour	nty Road 4	317 on S	tate Higł	nway 24					
26. Nearest City						State	Nearest ZIP (	ode			
Campbell						TX	75422				
27. Latitude (N) In Decimal: 21						28. Longitude (W) In Decimal:					

Degrees

95

31. Primary NAICS Code

Seconds

30. Secondary SIC Code (4 digits)

48.6

Minutes

55

32. Secondary NAICS Code

Seconds

2

					)	(5016	uigits)						
5093	4212	2											
33. What is the Primary	Business of t	his entity? (I	Do not repeat the SIC	or NAICS desc	cription.)								
solid waste collecti	on and tran	sportation											
34. Mailing Address:		Transfer Station Solutions, LLC											
		P O Box 6427											
	City	Paris	State	тх	ZIP	75461	ZIP + 4						
35. E-Mail Address: joshbray@suddenlinkmail.com													
36. Telepho	37. Extensio	mber (if applicat	ole)										
( 903 ) \$	517-6268		( ) -										

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste	
Municipal Solid Waste	New Source Review Air	□ OSSF	Petroleum Storage Tank	PWS	
Sludge	Storm Water	Title V Air	Tires	Used Oil	
Voluntary Cleanup	Waste Water	Wastewater Agriculture	Water Rights	Other:	

#### **SECTION IV: Preparer Information**

Minutes

11

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address
(817)358-6105	(817)571-2188	kyard@scsengineers.com	

#### SECTION V: Authorized Signature

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Lamar Partners, LLC	Job Title:		
Name (In Print):	Brad Drake			1903 517-9006
Signature:	1 yall		Date:	2/22/21

Degrees

33

29. Primary SIC Code (4 digits)

### DOCUMENTATION

#### **LEGAL DESCRIPTION**

As noted in Section 1.2, the transfer station property is comprised of 5.9 acres, which is situated on a larger 52.38 acre property that encompasses the Highway 24 Transfer Station. As such, consistent with 30 TAC §330.59(d), the following legal descriptions include surveyed descriptions of both the 52.38-acre property as well as the 5.9-acre parcel to be permitted for the transfer station. As noted in the drawings, the 5.9-acre parcel is totally encompassed by the 52.38-acre property.

scs engineers August 2021

#### EXHIBIT "A"

#### BOUNDARY SURVEY

BEING A BOUNDARY SURVEY DESCRIPTION FOR A 52.38 TRACT OF LAND LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, DESCRIBED AS A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID BOUNDARY SURVEY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for the southwest corner of said 52.38 acre tract, same being the southeast corner of a called 1.247 acre tract recorded in Instrument No. 2009-13858 of the R.R.H.C.TX. described as Tract Two and in the north line of a called 5.0557 acre tract recorded in Document No. 2018-01935 of the Records of Hunt County, Texas (R.H.C.TX.), from which a 1/2-inch iron rod found in the south line of said 1.247 acre tract at the northwest corner of said 5.0057 acre tract tract bears, South 86°34'11" West, a distance of 37.90 feet, said **POINT OF BEGINNING** having grid coordinates of N=7126500.39, E=2756862.87.

**THENCE,** North 02°10'04" East, along the common line of said 52.38 acre tract and said 1.247 acre tract, a distance of 165.53 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said 52.38 acre tract, same being the northeast corner of said 1.247 acre tract and in a south line of a called 10.0037 acre tract recorded in Volume 1701, Page 223 of the Official Public Records of Hunt County, Texas (O.P.R.H.C.TX.);

**THENCE,** South 85°35'48" East, leaving said common line, along said south line, a distance of 52.50 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the southeast corner of said 10.0037 acre tract;

**THENCE,** North 04°30'05" East, along the east line of said 10.0037 acre tract, a distance of 786.57 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the northeast corner of said 10.0037 acre tract;

**THENCE**, North 81°26'44" West, leaving said east line, along the north line of said 10.0037 acre tract, a distance of 414.97 feet to a 1/2-inch iron rod found for the most westerly southwest corner of said 52.38 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way) from which a concrete monument found in said east right-of-way line bears, South 10°01'12" West, a distance of 140.12 feet;

**THENCE,** North 09°24'44" East, leaving said north line, along said east right-of-way line and the most westerly west line of said 52.38 acre tract, a distance of 535.06 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 723.44 feet, along said curve to the right having a radius of 2740.45, a central angle of 015°07'31", with a chord bearing, North 17°03'11" East, and a chord length of 721.35 feet to a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 52.38 acre tract, same being the southwest corner of Lot 7 of the Final Plat of The Meadows at Oak Creek, a called 5.161 acre tract, recorded in Cabinet F, Slide 323 of the Plat Records of Hunt County, Texas (P.R.H.C.TX.);

**THENCE,** North 89°23'29" East, along the common line of said Lot 7 and said 52.38 acre tract, a distance of 556.10 feet to a 1/2-inch iron rod with cap stamped "OWENS RPLS 5387" found in the west line of Lot 5 of the Final Plat of The Meadows at Oak Creek, a called 3.199 acre tract at the southeast corner of said Lot 7, same being the most northerly northeast corner of said 52.38 acre tract;

**THENCE,** South 00°53'41" West, leaving the common line of said Lot 7 and said 52.38 acre tract, along the west line of said Lot 5 and an east line of said 52.38 acre tract, a distance of 123.80 feet to a 1/2-inch iron rod found in said east line at the southwest corner of said Lot 5, same being the northwest corner of a called 10.137 acre tract recorded in Instrument No. 2009-13856 of the R.R.H.C.TX.;

**THENCE**, South 00°55'03" East, leaving said west line of Lot 5, along the west line of said 10.137 acre tract and said east line, a distance of 514.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for an interior el corner of said 52.38 acre tract, same being the southwest corner of said 10.137 acre tract;

**THENCE,** North 89°32'53" East, leaving the west line of said 10.137 acre tract, along the south line of said 10.137 acre tract a distance of 578.64 feet to a 60D nail found in the south line of said 10.137 acre tract at the most easterly northeast corner of said 52.38 acre tract, same being the most westerly northwest corner of a called 54.49 acre tract described in Document No. 2018-01470 of the R.H.C.TX.;

Transfer Station Solutions, LLC Hunt County, Texas

**THENCE,** South 00°42'22" West, leaving the south line of said 10.137 acre tract, along the common line of said 54.49 acre tract and said 52.38 acre tract, a distance of 1317.32 feet to a 1/2-inch iron rod found in said common line at the southwest corner of said 54.49 acre tract, same being the northwest corner of a called 50.1426 acre tract recorded in Volume 666, Page 349 of the Deed Records of Hunt County, Texas, (D.R.H.C.TX.);

**THENCE,** South 01°55'22" West, leaving the common line of said 54.49 acre tract and said 52.38 acre tract, along the common line of said 50.1426 acre tract and said 52.38 acre tract, a distance of 211.59 feet to a 1/2-inch iron rod found at the southeast corner of said 52.38 acre tract, same being the northeast corner of a called 3.41 acre tract recorded in Document No. 2018-10945 of the R.H.C.TX.;

**THENCE,** South 86°33'09" West, leaving the common line of said 50.1426 acre tract and said 52.38 acre tract, along the common line of said 3.41 acre tract and said 52.38 acre tract, a distance of 668.59 feet to a 1/2-inch iron rod with cap stamped "SAM" set in said common line at the northwest corner of said 3.41 acre tract, same being the northeast corner of said 5.0557 acre tract;

**THENCE,** South 86°34'11" West, leaving the common line of said 3.41 acre tract and said 52.38 acre tract, along the common line of said 5.0557 acre tract and said 52.38 acre tract, a distance of 461.03 feet to the **POINT OF BEGINNING**, containing 52.38 acres (2,281,514 square feet) of land, more or less.

#### This description being 52.38 acres (2,281,514 square feet) of land more or less.

Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- 2) A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.

TE OF tas GISTERED CODY A. CLARK 6469 Surveying And Mapping, LL AND 1341 W. Mockingbird Lane, SURV Suite 400W, Dallas, Texas 75247

Cody A. Clark Date Registered Professional Land Surveyor No. 6469 – State of Texas



#### EXHIBIT "B"

#### LAMAR PROPERTIES, LLC

#### BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION

BEING A BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, BEING WITHIN A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID STATION BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in a west line of said 52.311 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way), from which a 1/2-inch iron rod found in said east right-of-way line at the most westerly southwest corner of said 52.311 acre tract bears, South 09°29'44" West, a distance of 462.54 feet, said **POINT OF BEGINNING** having grid coordinates of N=7127963.84, E=2756649.28.

**THENCE**, North 09°29'44" East, a distance of 72.52 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 28.89 feet, along said curve to the right having a radius of 2740.45, a central angle of 0°36'15", with a chord bearing, North 09°47'33" East, and a chord length of 28.89 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in said common line, from which a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 53.211 acre tract bears, northeasterly a distance of 694.55 feet, along a curve to the right having a radius of 2740.45, a central angle of 014°31'17", with a chord bearing, North 17°21'18" East, and a chord length of 692.69 feet;

THENCE, over and across said 52.311 acre tract, the following seven (7) courses and distances:

- 1) North 90°00'00" East, leaving said common line, a distance of 463.13 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 2) South 00°00'00" East, a distance of 18.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **3)** North 90°00'00" East, a distance of 325.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **4)** South 00°00'00" East, a distance of 670.77 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 5) North 81°26'44" West, a distance of 328.66 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 6) North 00°00'00" East, passing a 1/2-inch iron rod with cap stamped "SAM" set at a distance of 60.68 feet, continuing for a total distance of 539.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 7) North 90°00'00" West, a distance of 480.01 feet to the POINT OF BEGINNING, containing 5.90 acres (257,219 square feet) of land, more or less.

#### This description being 5.90 acres (257,219 square feet) of land more or less.

#### Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.



I/II-D6



#### LEGAL AUTHORITY
Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

## Office of the Secretary of State

### CERTIFICATE OF FILING OF

Transfer Station Solutions, LLC 802693685

[formerly: Blossom Prairie Landfill, LLC]

The undersigned, as Deputy Secretary of State of Texas, hereby certifies that a Certificate of Amendment for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Deputy Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

Dated: 06/10/2019

Effective: 06/10/2019



Jose A. Esparza Deputy Secretary of State

Form 424	ATE OF	
Secretary of State P.O. Box 13697 Austin, TX 78711-3697 FAX: 512/463-5709		Filed in the Office of the Secretary of State of Texas Filing #: 802693685 06/10/2019 Document #: 894742690007
Filing Fee: See instructions	Certificate of Amendment	Image Generated Electronically for Web Filing
	Entity Information	
The filing entity is a: Domestic Lin	nited Liability Company (LL	<u>C)</u>
The name of the filing entity is: <b>Blos</b>	som Prairie Landfill, LLC	
The file number issued to the filing en	tity by the secretary of state is: 802	2693685
Σ Τ 11 Ο ΜΑΓΑΙΤΕ (Π. 2. Μ. 2. (2. Μ. 1977), 2. 2. (2. ΜΑΓΑΙΤΕΛΙΕ, 1. Μ. 1977) Ο ΤΟ ΠΟΙΟΙΟΝΙΟ ΠΑΙΤΕΛΙΟΝ Σ. 2. (2. 2. 2. 2. (2. Δ. 1997) Ο ΠΟΙΟΙΟΝΟ ΠΟΙΟΙ Τ Τ Τ Τ Τ Τ Τ Τ Τ Τ Τ Τ Τ	Amendment to Name	
The amendment changes the formatic entity. The article or provision is amen	on document of the filing entity to ch ded to read as follows:	ange the article or provision that names the
The name of the filing entity is:		······································
Transfer Station Solutions, Ll	<u>_C</u>	
A letter of consent, if applicable, is atta	ached.	**
	Statement of Approval	
The amendment has been approved in governing documents of the entity.	n the manner required by the Texas	Business Organizations Code and by the
	Effectiveness of Filing	
A. This document becomes effective	e when the document is filed by the	secretary of state.
B. This document becomes effective filing by the secretary of state. The del	e at a later date, which is not more t ayed effective date is:	han ninety (90) days from the date of its
	Execution	
The undersigned signs this document or fraudulent instrument and declares Business Organizations Code to exect	subject to the penalties imposed by under penalty of perjury that the un ute the filing instrument.	law for the submission of a materially false dersigned is authorized under the Texas
Date: June 10, 2019	<u>Josh Bray</u>	
	Signature of autho	rized person
FILING OFFICE COPY	NA AND A AND AND AND A	

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

## Office of the Secretary of State

June 12, 2019

Attn: Pete Benenati

Benenati Law Firm, PC Pete Benenati, 2816 Bedford Road Bedford, TX 76021 USA

RE: Transfer Station Solutions, LLC File Number: 802693685

It has been our pleasure to file the Certificate of Amendment for the referenced entity. Enclosed is the certificate evidencing filing. Payment of the filing fee is acknowledged by this letter.

If we may be of further service at any time, please let us know.

Sincerely,

Corporations Section Business & Public Filings Division (512) 463-5555

Enclosure

...............

. . . . . . . . .

### EVIDENCE OF COMPETANCY

scs engineers February 2022

## Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017 and maintains this license to-date. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree. Either Mr. Bray will serve as the licensed solid waste facility supervisor, acting as president and an employee of TSS, or Transfer Station Solutions will hire a facility supervisor with the required credentials.

Josh Bray holds a minor, non-controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operations today. Transfer Station Solutions, LLC does not currently own or operate any other facilities inside or outside of Texas.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	County	TCEQ Permit or Registration No.	Dates of Operation under Mr. Bray's Management
Fannin Transfer Station	Fannin	40290	7/17/17 -6/1/19
Canton Transfer Station	Van Zandt	40266	4/24/13 - 6/1/19
Pittsburg Transfer Station	Camp	40174	3/12/14 - 6/1/19
Blossom Prairie Type I Landfill	Lamar	2358	10/13/09 - 6/1/2019

Be it known that

## JOSH A BRAY

has fulfilled the requirements in accordance with the laws of the State of Texas for

## CLASS A MSW OPERATOR

License Number: **SW0006650** Issue Date: **09/21/2020** Expiration Date: **09/29/2023** 

Executive Director Texas Commission on Environmental Quality

Revision 0

Applicant's Ex. 1, p. 000078

August 2021

\@(@\@(@\@(@\@(@\@(@\@

### APPPOINTMENT

# TRANSFER STATION SOLUTIONS, LLC

P. O. Box 6247 Paris, Texas 75461 903-517-268

### NOTICE OF APPOINTMENT Engineers Appointment

Mr. Toby Baker Executive Director Texas Commission on Environmental Quality P.O. Box 13087 Austin, Texas 78711-3087

Dear Mr. Baker:

This is to advise you that Transfer Stations Solutions, LLC. (TSS) has duly appointed SCS Engineers as consulting and design engineers for the purpose of submitting engineering reports and planning material for a Permit Application for the Highway 24 Transfer Station in Hunt County, Texas. SCS Engineers is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has extensive experience in the design and construction of similar facilities. Mr. Ryan R. Kuntz, P.E. Vice President with SCS Engineers, is the engineer of record for this application.

We herewith authorize you to review and comment on such reports, planning material, and data on this project as SCS Engineers may submit to you.

Sincerely, Transfer Station Solutions, LLC

Josh Bray President

August 2021

### **PROPERTY OWNER AFFIDAVIT**

### **PROPERTY OWNER AFFIDAVIT**

Lamar Partners, LLC, the owner of record of the properties described in the Legal Description Section of this Parts I/II (see "Boundary Metes and Bounds Description for a Tract of Land for a Proposed Transfer Station" for the 5.9-acre parcel), acknowledges and is aware that Transfer Stations Solutions, LLC plans to file for a permit to operate a solid waste transfer station upon said property.

Lamar Partners, LLC acknowledges that the State of Texas may hold Lamar Partners, LLC either jointly or severally responsible for the operation, maintenance, and closure of the facility.

Lamar Partners, LLC acknowledges the site operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance.

WITNESS MY HAND on this day, June 22, 2021.

Lamar Partners, LLC 3737 Lamar Avenue, Suite 700 Paris, Texas75460

By: Brad Drake, Managing Partner Lamar Partners, LLC

45ell

Signature

SWORN TO AND SUBSCRIBED BEFORE ME by the said <u>Brad Drake</u> this <u>a</u> day of <u>June</u>, 2021, to certify which witness my hand and seal of office.

Notary Public in and for  $\frac{1}{6-24}$  County, Texas My commission expires on  $\frac{1}{6-24}$ 

Printed Name Jeri Golden

RY PUL	JERI GOLDEN
O A	NOTARY PUBLIC
1 SP	STATE OF TEXAS
	Lic# 128655882
TEOFTE	My Commission Expires 06/24/2023

## **FIGURES**





Applicant's Ex. 1, p. 000085



G:\HUNT COUNTY TS\16219083.00 - Permit - MSW Recveling Facility\\_DWG\3 - AERIAL PHOTO igckson. iermon





Applicant's Ex. 1, p. 000087









FOR PERMITTING PURPOSES ONLY

NUMATOS

### Applicant's Ex. 1, p. 000089

SCALE: AS SHOWN FIGURE NO.

I/II-6



Applicant's Ex. 1, p. 000090



Applicant's Ex. 1, p. 000091







## **APPENDIX I/II-A**

### PERMIT RELATED CORRESPONDENCE

scs engineers November 2021

## **APPENDIX I/II-A.1**

## NCTCOG CORRESPODENCE

## SCS ENGINEERS

August 12, 2021

SCS Project Number 16219083.00

Ms. Cassidy Campbell, Senior Planner/SW Planning & Grants Environment and Development Planner North Central Texas Council of Governments 616 Six Flags Drive Arlington, Texas 76011

Re: Regional Solid Waste Conformance Review Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Ms. Campbell:

As discussed, SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Route 24 (SR 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are approximately 33° 11' 48.6" latitude and 95° 55' 23.5" W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

As you know, TCEQ regulation Title 30 Texas Administration Code (TAC) §330.61(p) requires evidence of coordination with the regional council of government (North Central Texas Council of Governments [NCTCOG]). The purpose of this letter is to inform the NCTCOG of this proposed transfer station, and to demonstrate that this facility complies with the regional solid waste plan. As a part of this coordination with the NCTCOG, TSS is requesting a regional conformance review for the above referenced facility. The following contact information is related to the transfer station permit application:

a. Applicant's Representative:

Josh Bray, President Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas75461 Phone No. 903.517.6268 joshbray@suddenlinkmail.com Ms. Cassidy Campbell August 12, 2021 Page 2

b. Applicant's Engineer

Ryan R. Kuntz, P.E., Vice President SCS Engineers 1901 Central Drive, Suite 550 Bedford, Texas 76021 (817) 358-6105 kyard@scsengineers.com

c. TCEQ staff person regarding review correspondence

Mr. Chance Goodin, Manager MSW Permits Section, Waste Permits Division Texas Commission on Environmental Quality

12100 Park 35 Circle Austin, Texas 78753 (512) 239 -6616 <u>chance.goodin@tceq.texas.gov</u>

Attachments to this letter are listed at the end of this letter.

Based on our review of the NCTCOG's Regional Solid Waste Management Plan (Plan), as updated in the "Planning for Sustainable Materials Management in North Central Texas", we find the information provided in the attached evaluation form substantiates conformance with this Plan. The following summarizes how the proposed material recovery facility complies with the overall goals and objectives of the solid waste management plan:

- Encouraging the establishment and expansion of transfer stations in rural or underserved areas.
- This proposed facility will aid in reducing incidents of illegal dumping. In conjunction with hauling operations using this facility, this transfer station will assist in meeting the solid waste disposal needs of surrounding communities in Hunt County. This transfer station will provide an additional means to expand solid waste management opportunities.
- Assuring Capacity for Trash: By enabling transport of a significant amount of the materials delivered to the transfer station to a variety of landfills, this transfer station will preserve landfill capacity within the NCTCOG region. This transfer station will provide a means for efficient transportation of solid waste to a greater number of landfills, thereby enhancing the flexibility for this area of Hunt County. Additionally, this transfer station will serve unincorporated areas and surrounding communities in Hunt County. Therefore, this proposed facility will contribute to maintain long-term solid waste capacity for the area.

In view of the above, it is our opinion TSS's transfer station complies with the regional solid waste management plan. On the behalf of TSS, we would appreciate your expediting the review to confirm conformance with the regional solid waste plan. If you have any questions or need additional information, please contact us at (817) 571-2288 or e-mail at <u>rkuntz@scsengineers.com</u> or <u>aard@scsengineers.com</u>.

Ms. Cassidy Campbell August 12, 2021 Page 3

Sincerely,

8

Ryan R. Kuntz, P.E. Vice President SCS Engineers TBPE Registration No. F-3407

lad

Andrew Ard, EIT Project Professional SCS Engineers

Att.: Parts I/II of the Permit Application for the Highway 24 Transfer Station in Hunt County

cc: Mr. Josh Bray, President, Transfer Station Solutions Mr. Kevin D. Yard, P.E., BCEE, SCS Engineers



North Central Texas Council Of Governments

November 10, 2021

Mr. Kevin D. Yard, P.E., BCEE Vice President, SCS Engineers 1901 Central Drive, Suite 550 Bedford, Texas 76021

Type V Permit Application for the Highway 24 Transfer Station, by Transfer Station Solutions, LLC RE: Physical Site Address: 3491 SH 24, Campbell, Texas 75422

#### Dear Mr. Yard.

Thank you and your colleagues, Mr. Ryan Kuntz, P.E., Vice President, SCS Engineers, and Mr. Josh Bray, President, Transfer Station Solutions, LLC, for your presentation to the Facility Conformance Subcommittee of the Resource Conservation Council (RCC) on September 29, 2021, regarding the Type V Permit Application for the Highway 24 Transfer Station.

The North Central Texas Council of Governments (NCTCOG) has been directed by Texas Commission on Environmental Quality to determine the consistency of solid waste permit applications, amendments, and registration applications with the Regional Management Plan, Planning for Sustainable Materials Management in North Central Texas 2015-2040: North Central Texas Regional Solid Waste Management Plan.

At its meeting on November 10, 2021, the RCC found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan. Unless there are significant changes to the application from those outlined in the presentation, this determination should not change.

If you have any questions regarding NCTCOG's conformance review, please contact Elena Berg by phone at (817) 608-2363 or by email at EBerg@nctcog.org.

Sincerely,

Kathy Fonville

Kathy Fonville Chair, Resource Conservation Council

cc: Mr. Chance Goodin, Texas Commission on Environmental Quality MC-124, P.O. Box 13087, Austin, Texas 78711-3087

cc: Mr. Josh Bray, President, Transfer Station Solutions, LLC P.O. Box 6427, Paris, Texas 75461

> 616 Six Flags Drive, Centerpoint Two P. O. Box 5888, Arlington, Texas 76005-5888 (817) 640-3300 FAX: 817-640-7806 @recycled paper www.nctcog.org

I/II-A.1-5

## **APPENDIX I/II-A.2**

## ARCHAELOGICAL/HISTORICAL QUALITY REVIEW CORRESPONDENCE

### **Russ Brownlow**

From:	noreply@thc.state.tx.us
Sent:	Monday, April 26, 2021 1:25 PM
То:	Russ Brownlow; reviews@thc.state.tx.us; yvonna.miramontes@tceq.texas.gov
Subject:	Section 106 Submission

#### [EXTERNAL EMAIL]



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas THC Tracking #202107769 Date: 04/26/2021

5.4-acre Hunt County Transfer Station Project 2.8 miles southwest of Commerce Commerce,TX

**Description:** 5.9-acre waste transfer station. Shallow upland soils in disturbed area. Low prob for NRHP/SAL-elig sites. Recommending no survey warranted.

#### Dear Russ Brownlow:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act.

The review staff, led by Maggie Moore, Caitlin Brashear, has completed its review and has made the following determinations based on the information submitted for review:

### **Above-Ground Resources**

• No historic properties are present or affected by the project as proposed. However, if historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.

#### **Archeology Comments**

- No identified historic properties, archeological sites, or other cultural resources are present or affected. However, if cultural materials are encountered during project activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.
- THC/SHPO concurs with information provided.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: Maggie.Moore@thc.texas.gov, caitlin.brashear@thc.texas.gov.

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit <u>http://thc.texas.gov/etrac-system</u>.

Sincerely,

attin Brashear

for Mark Wolfe, State Historic Preservation Officer Executive Director, Texas Historical Commission

Please do not respond to this email.

cc: yvonna.miramontes@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email



Environmental Services, Inc.

April 6, 2021

Mr. Mark Wolfe Texas Historical Commission P.O. Box 12276 Austin, Texas 78711-2276

> RE: Initial SHPO Consultation Letter Transfer Station Solutions, LLC Proposed 5.4-acre Hunt County Transfer Station Project Hunt County, Texas Antiquities Code of Texas (TCEQ) HJN 21019 AR

Mr. Wolfe:

Transfer Station Solutions, LLC (TSS) is proposing to construct the Hunt County Transfer Station Project on a 5.9-acre parcel in eastern Hunt County, Texas (Project Area). The Project Area is privately-owned, and its development will be privately funded and will not require any federal permitting or coordination. However, being a municipal waste transfer station, the undertaking must comply with 30 TAC §330.61(o) of the rules of the Texas Commission on Environmental Quality (TCEQ). The TCEQ requires compliance with the regulations of the Antiquities Code of Texas (ACT) for its permitted projects, even if they are located on privately-owned land. On behalf of TSS, SCS Engineers (SCS) has contracted with Horizon Environmental Services, Inc. (Horizon) to prepare this initial consultation with your office regarding the proposed undertaking in compliance with the ACT.

### **PROJECT DESCRIPTION**

The undertaking consists of a municipal solid waste transfer station that will be permitted by the TCEQ, then constructed on a 5.9-acre parcel located approximately 2.8 miles (4.5 kilometers [km]) southwest of Commerce in eastern Hunt County. It can be found on the US Geologic Service (USGS) 7.5-minute Commerce South, Texas topographic quadrangle map. More specifically, the undertaking consists of: 1) a proposed access road off of State Highway (SH) 24 that measures approximately 525.0 feet (160.0 meters [m]) long by 100.0 feet (30.5 m) wide with an area of 1.2 acres; and 2) an approximately 4.7-acre parcel that will contain the proposed waste transfer station. The Project Area is bordered to the north, south, and west by an active borrow pit that the current private landowner is using to extract sand for retail sale. In addition, roughly the southeastern quarter to eastern half of the 4.7-acre parcel was also historically utilized as a gravel/borrow pit. Maps of the Project Area are enclosed for your review.

### **CORPORATE HEADQUARTERS**

1507 S Interstate 35 ★ Austin, TX 78741-2502 ★ (512) 328-2430 ★ www.horizon-esi.com *An LJA Company* //II-A.2-4 Aug

August 2021



### DATABASE REVIEW

Background research conducted via the Texas Historical Commission's (THC's) *Texas Archeological Sites Atlas* (TASA) online database indicated the presence of no previously recorded archeological sites or cemeteries within a 0.6-mile (1.0-km) perimeter of the Project Area (THC 2021). Similarly, a review of the National Park Service's (NPS) National Register of Historic Places (NRHP) Google Earth map layer indicated the presence of no historic properties listed on the NRHP within the review perimeter (NPS 2020). No documented cultural resources, including any listed on the NRHP or formally designated as State Archeological Landmarks (SALs), are located within or immediately adjacent to the Project Area. Based on the Atlas database, no prior cultural resources surveys have been undertaken within the limits of the current Project Area.

The closest documented cultural resource to the Project Area is a prehistoric encampment with associated human interments. This site, 41HU22, is located approximately 0.8 mile (1.3 km) northwest of the Project Area on a terrace adjacent to the South Sulphur River.

### MAP REVIEW

A review of historic aerial imagery indicted that the Project Area consisted of cleared pastureland since as early as 1956 (NETR 2021). By 1964, the aerial imagery depicts a large gravel pit along the eastern half of the transfer station parcel (NETR 2021). Subsequent aerial imagery dating between 1983 and 2016 show the gravel pit area as reclaimed pastureland (NETR 2021). No structures are present within or immediately adjacent to the Project Area on the aerial imagery at any time between 1956 and the present.

An examination of historic US Geologic Service (USGS) 7.5-minute topographic quadrangle maps indicated the presence of the aforementioned gravel pit, primarily within the southeastern quadrant of the Project Area, on the 1964 and 1968 topographic quadrangles (USGS 1964; NETR 2021). After this date, the gravel pit is no longer present, and the area consists of cleared pastureland (NETR 2021). Again, no structures are present in the vicinity of the current Project Area on topographic quadrangles dating between 1964 and the present.

### SOILS

Only one soil type is mapped within the Project Area. Axtell loam, 1 to 5% slopes (1) is a fine loamy soil found on ridgetops and side slopes above drainageways (NRCS 1939). A typical pedon consists of an A-horizon of fine sandy loam measuring up to 3.1 inches (8.0 centimeters [cm]) thick. This is underlain by clay loam and clay deposits down to depths of 80.0 inches (203.2 cm). As the Project Area is located on an upland that has been cleared in the past and used, in part, as a gravel pit, any cultural deposits within the thin, upper A-horizon, if present, would likely have been disturbed by clearing, root-plowing plowing, and gravel mining activities.



### PROBABILITY ASSESSMENT

Prehistoric archeological sites are commonly found in upland areas and on alluvial terraces near stream/river channels or drainages. Based on the location of the Project Area on an upland dissected by a drainage linked to the South Sulphur River, it is Horizon's opinion that there would normally exist at least a moderate potential for prehistoric cultural deposits within the Project Area. However, based on the shallow nature of the upland soils, coupled with the historic clearing of the area and its partial use as a gravel pit, it is Horizon's further opinion that there now exists a low potential for any intact and stratified prehistoric cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the Project Area.

In regard to historic-era resources, the lack of visible structures in immediate proximity to the Project Area on the reviewed historic topographic quadrangle maps and aerial imagery, coupled with the historic impacts to the shallow upland soils, also suggests a low potential for historicera standing structures or associated cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the boundaries of the Project Area.

### RECOMMENDATIONS

Based on the assessed low potential for undocumented and intact cultural resources that would qualify for inclusion in the NRHP or for formal designation as SALs within the current Project Area, it is Horizon's opinion that a formal cultural resources survey of the Project Area is unwarranted. Horizon therefore recommends that TSS be allowed to proceed with the development of the Project Area relative to the jurisdiction of the ACT. However, in the unlikely event that any human remains or burial features are inadvertently discovered at any point during construction, use, or ongoing maintenance of the Project Area, all work at the location of the discovery should cease immediately, and the THC should be notified of the discovery.

Should you concur with Horizon's findings and recommendations, please sign below and return. Otherwise, Horizon requests that your office respond with additional information pertaining to the type and intensity of cultural resources investigations that you require within the Project Area. If you need any additional information, please feel free to call or email me.

Sincerely,

This Brownlow

Russ Brownlow, MA, RPA President - Horizon Environmental Services, Inc.

Enclosures (4: project location maps)



### REFERENCES

(Esri) Environmental Systems Research Institute

- 2017 Digital orthographic photography sourced by Esri for ArcGIS Online. <arcgis.com>. Imagery date January 23, 2017. Accessed January 20, 2021.
- (NPS) National Park Service
  - 2021 National Park Service National Register of Historic Places Google Earth Map Layer South Region, <a href="http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html">http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html</a>. Accessed January 19, 2021.
- (NETR) National Environmental Title Research
  - 2021 Historic Aerials by NETR Online, <a href="http://www.historicaerials.com">http://www.historicaerials.com</a>. Accessed January 20, 2021.
- (NRCS) US Department of Agriculture, Natural Resources Conservation Service
  - 1939 Soil Survey of Hunt County, Texas, <https://www.nrcs.usda.gov/Internet/FSE\_MANUSCRIPTS/texas/TX231/0/Hunt.pdf>. Accessed January 19, 2021.
  - 2019 Soil Survey Geographic (SSURGO) Database for Hunt County, Texas.
- (OSM) OpenStreetMap Contributors
  - 2021 *Open Street Map.* <a href="http://www.openstreetmap.org">http://www.openstreetmap.org</a>. Available under the Open Data Commons Open Database License (www.opendatacommons.org/licenses/odbl). Accessed January 20, 2021.

(THC) Texas Historical Commission

2021 *Texas Archeological Sites Atlas Restricted Database*, <http://atlas.thc.state.tx.us/>. Accessed January 19, 2021.

(USGS) US Geological Survey

1964 7.5-minute series topographic map, Commerce South, Texas, quadrangle.
















# **APPENDIX I/II-A.3**

# **TXDOT CORRESPONDENCE**

# SCS ENGINEERS

July 5, 2021

SCS Project Number 16219083.00

Mr. Noel Paramanantham, P.E. Texas Department of Transportation Interstate Hwy 30 E #3001 Greenville, Texas 75402 Phone No. 903-455-2303

Hand-delivered

Re: Traffic Information Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Paramanantham:

SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Highway 24 (SH 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are 33.195944° N latitude and 95.921551° W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

Since this property has been used previously as a soil borrow site, the driveway access on the northbound side of SH 24 was previously constructed and has been in use since that time. This same driveway will be used for TSS' transfer station. That driveway was permitted by TxDOT in 2017 (see TxDOT Permit No. 67-17 issued to Kenneth Millsap).

During the first year of operation, the total volume of traffic generated by the facility is expected to gradually increase to approximately 90 round trips per day. The maximum total volume of traffic generated by the facility, which will not occur for many years, is expected to be less than 180 round trips. Comparing this volume of traffic to the TxDOT 2019 data available for SH 24 in the vicinity of the site, we observed as follows:

- The initial traffic increase generated by the proposed transfer station will be less than one per cent of the traffic.
- Assuming traffic volume increase will be proportional to the projected population increase for the area, we anticipate that the maximum traffic increase generated by the proposed transfer station will be less than two per cent at a future date when the transfer station achieves design capacity.

Mr. Noel Paramanantham, P.E. July 5, 2021 Page 2

The purpose of this letter is to demonstrate coordination with the Texas Department of Transportation (TxDOT), consistent with TCEQ requirements (Title 30 of the Texas Administrative Code (TAC) Chapter  $\S330.61(i)(4)$ ). Therefore, SCS respectfully requests TxDOT provide, by return letter, confirmation of our having coordinated with TxDOT for this proposed facility.

Your assistance with this matter is greatly appreciated. If you require additional information for this review, please call Kevin Yard at 972-523-2414 (email: <u>kyard@scsengineers.com</u>) or Ryan Kuntz at 817-358-6117 (<u>rkuntz@scsengineers.com</u>.

Sincerely,

to - Jack

Kevin D. Yard, P.E., BCEE Vice President SCS Engineers TBPE Registration No. F-3407

- Att.: Drawing No. I/II-1, Site Location Map Drawing No. I/II-2, General Topographic Map
- cc: Mr. Josh Bray, President, Transfer Station Solutions

Ryan<sup>®</sup>R. Kuntz, P.E. Vice President SCS Engineers

M:Pro\16219083.00\agency coordin ltrs\L-07052021 TxDOT--



Applicant's Ex. 1, p. 000114



Applicant's Ex. 1, p. 000115



3001 Interstate Highway 30 East, Greenville, Tx 75402

September 2, 2021

SCS Engineers Attn: Mr. Kevin D. Yard, P.E. 1901 Central Drive, Ste. 550 Bedford, TX 76021

RE: Confirmation Letter Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Yard:

We are in receipt of your letter dated July 5, 2021 requesting that a letter of confirmation demonstrating coordination with the Texas Department of Transportation (TXDOT) has been obtained. I have reviewed the subject location and proposed traffic impact to the area.

Our office will require Form 1058 (Permit to Construct Access Driveway Facilities on Highway Right of Way) for any driveway reconstruction that may be necessary at this location.

If you need any further information, please contact James Atkins II, P.E at (903) 453-3107.

Sincerely,

James Atkins, P.C. James Atkins II, P.E.

James Atkins II, P.E. Hunt and Rains County Area Engineer

JA Copies: Greenville Area Office District (permits)

THE TEXAS PLAN REDUCE CONGESTION•ENHANCE SAFETY•EXPAND ECONOMIC OPPORTUNITY•IMPROVE AIR QUALITY PRESERVE THE VALUE OF TRANSPORTATION ASSETS

An Equal Opportunity Employer

From:	James Atkins II
То:	<u>Yard, Kevin</u>
Cc:	joshbray@suddenlinkmail.com; Kuntz, Ryan; Ard, Andrew
Subject:	Re: response to attached letter
Date:	Friday, November 5, 2021 2:48:51 PM
Attachments:	image001.png

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kevin,

Attached is sample FORM 1058 "Permit to Construct Driveway Facilities on Highway Right of Way" and example permit packet. Currently the standard for most roads is 80,000 lb limit anything above this limit requires a permit. We only sign FM roads for load restrictions.

Thanks,

James

From: Yard, Kevin <KYard@SCSEngineers.com>

Sent: Friday, September 3, 2021 2:25 PM

**To:** James Atkins II < James.Atkins@txdot.gov>

Cc: joshbray@suddenlinkmail.com <joshbray@suddenlinkmail.com>; Kuntz, Ryan

<RKuntz@SCSEngineers.com>; Ard, Andrew <AArd@scsengineers.com>

**Subject:** RE: response to attached letter

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

James,

Many thanks for you timely response.

We look forward to working with you in submitting an updated TxDOT Permit to Construct Access Driveway Facilities on Highway Right of Way

following issuance of the TCEQ permit.

### Thank you,

Kevin

Kevin D. Yard, P.E., BCEE C: 972-523-2414 Vice President

SCS ENGINEERS 1901 Central Drive, Suite 550 Bedford, TX 76021

# **APPENDIX I/II-A.4**

# LOCAL GOVERNMENT CORRESPONDENCE

# SCS ENGINEERS

November 23, 2021

SCS Project Number 16219083.00

Mr. Bobby Stovall, County Judge Hunt County Courthouse 2507 Lee St., 2nd Floor Greenville, Texas 75401

Phone No. 903-408-4146

Re: Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Stovall:

On behalf of Transfer Station Solutions, LLC (TSS), SCS Engineers (SCS) has prepared a TCEQ permit application for a municipal solid waste transfer station to be located on State Route 24 (SR 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are 33.195944° N latitude and 95.921551° W longitude. We are sending this letter to you consistent with 30 TAC §330.61(p) of the TCEQ's regulations. We have included maps that illustrate the proposed site location and boundary (see attached).

If you have any questions or comments regarding this application, please feel free to call Kevin Yard or Ryan Kuntz at 817-571-2288 or email us at <u>kyard@scsengineers.com</u> or <u>rkuntz@scsengineers.com</u>. Also, please feel free to call Josh Bray, the president of Transfer Station Solutions, at 903-517-6268.

Sincerely,

to Jack

Kevin D. Yard, P.E., BCEE Vice President SCS Engineers TBPE Registration No. F-3407

Ryan R. Kuntz, P.E. Vice President SCS Engineers

Att.: Drawing No. I/II-1, Site Location Map Drawing No. I/II-2, General Topographic Map

cc: Mr. Josh Bray, President, Transfer Station Solutions



Applicant's Ex. 1, p. 000120



Applicant's Ex. 1, p. 000121

# **APPENDIX I/II-B**

# WETLANDS DETERMINATION AND ENDANGERED OR THREATENED SPECIES ASSESSMENT

scs engineers August 2021



15 January 2021

Mr. Kevin Yard, PE, BCEE SCS Engineers 1901 Central Drive; Suite 550 Bedford, Texas 76021

Re: Hunt County Transfer Station - Protected Species Habitat Assessment Approximately 5.9 acres for the proposed transfer station located at the southeast corner of Hunt County Road (CR) 4316 and Texas State Highway (SH) 26, south of Commerce, Hunt County, Texas

#### Dear Mr. Yard,

Integrated Environmental Solutions, LLC (IES) performed a protected species habitat assessment on approximately 5.9 acres for the proposed transfer station located at the southeast corner of CR 4316 and SH 26, south of Commerce, Hunt County, Texas (**Attachment A, Figure 1**). This habitat assessment was performed to satisfy the requirements regarding the Endangered Species Act (ESA). The following report is a list of the federal and state-listed protected species for Hunt County and their preferred vegetation assemblages, a summary of the vegetation communities identified on the site, an evaluation of whether or not the communities present on the site could support a protected species, and whether or not future proposed actions would affect listed species.

#### INTRODUCTION

#### Protected Species

#### Federal

The ESA of 1973 (Public Law [P.L.] 93-205) and the amendments of 1988 (P.L. 100-578) were enacted to provide a program of preservation for endangered and threatened species and to provide protection for ecosystems upon which these species depend for their survival. The ESA requires all federal agencies to implement protection programs for designated species and to use their authorities to further the purposes of the Act. Responsibility for the listing of an endangered or threatened species and for the development of recovery plans lies with the Secretary of Interior and Secretary of Commerce. The U.S. Fish and Wildlife Service (USFWS) is responsible for implementing the ESA within the United States.

An endangered species is a species, which is in danger of extinction throughout all or a significant portion of its range. A threatened species is a species likely to become endangered within the near future throughout all or a significant portion of its range. Proposed species are those, which have been formally submitted to Congress for official listing as endangered or threatened.

In addition, the USFWS has identified species, which are candidates for possible addition to the list of Endangered and Threatened Wildlife and Plants (50 Code of Federal Regulations [CFR] 17.11 and 17.12) under the ESA. The USFWS maintains a candidate list to: (1) provide advance knowledge of potential listings that could affect land planning decisions, (2) solicit input to identify candidates not requiring protection or additional species that may require protection under the ESA, and (3) solicit information needed to prioritize the order in which species will be proposed for listing. Candidate species have no legal protection under the ESA.

> Integrated Environmental Solutions, LLC. | 610 Elm Street, Suite 300 McKinney, Texas 75069 | www.intenvsol.com

> > **Telephone:** 972.562.7672 I/II-B-2

August 2021

Applicant's Ex. 1, p. 000123

**Revision 0** 

The Migratory Bird Treaty Act of 1918 states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance within the Act's policies and regulations. However, in a recent decision the U.S. Court of Appeals for the Fifth Circuit found that for an unlawful "taking" to occur, a "deliberate act done directly and intentionally to migratory birds" would need to occur. (United States v. CITGO Petroleum Corp., No. 14-40128 [5th Cir. Sept. 4, 2015]).

#### State

The Texas Parks and Wildlife Department (TPWD) Wildlife Diversity Program (WDP) maintains computerized records of state-listed threatened and endangered species by county. The State of Texas does not list threatened and endangered species using the same criteria as the federal government. When the USFWS lists a plant species, the State of Texas then lists that plant. Thus, the list of threatened and endangered plants in Texas is the same as the federal list. The state has separate laws governing the listing of animal species as threatened or endangered. Threatened and endangered animal species in Texas are those species so designated according to Chapters 67 and 68 of the Texas Parks and Wildlife Code and Section 65.171 - 65.184 of Title 31 of the Texas Administrative Code. Species that are not currently listed by the Federal government may be listed as threatened or endangered by the TPWD.

#### METHODOLOGY

Prior to conducting fieldwork, the list of Endangered and Threatened Wildlife and Plants under the ESA was obtained through the USFWS Information, Planning, and Conservation System (IPaC) and from the TPWD WDP and the Texas Natural Diversity Database (TXNDD). The vegetation communities used by each species was obtained and is detailed below. During the field survey, vegetation composition within and adjacent to the project site were noted to determine whether there was any potential for protected species habitat. This survey was not designed to identify the presence of protected species; however, if any species were observed, they were recorded. Photographs were taken at representative points, illustrating common vegetation communities within the survey area (Attachment B).

#### RESULTS

#### Literature Review

According to the USFWS, three species; Least Tern (*Sterna antillarum*), Piping Plover (*Charadrius melodus*), and Red Knot (*Calidris canutus rufa*) are listed as federally protected (i.e., threatened or endangered) with the potential to occur within Hunt County. All of these species are conditionally listed as threatened within Hunt County on the basis that the proposed project is for wind energy production. No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks or natural/managed areas within the survey area.

**Attachment C** identifies the state and federally protected species that could potentially occur within Hunt County from the IPAC and Rare and Threatened Endangered Species of Texas (RTEST) lists.

#### Site Survey

Mr. Shae Kipp of IES evaluated the survey area on 07 January 2021. The site survey was conducted the day after a rainfall and during the survey there was light precipitation resulting in hydrology on the site that is not present in the majority of the year. This survey was designed to provide a habitat evaluation of the overall survey area with the primary focus on the plant community.

The survey area was characterized as a partially disturbed grassland previously used for livestock production. The larger, eastern portion was predominantly undisturbed. The undisturbed areas were predominantly vegetated by native prairie grasses with some woody vegetation along a small drainage corridor in the northwest corner and along a fence line in the eastern portion. The three vegetation communities observed included: **grassland**, **forested corridor**, and **urban/disturbed**.

The **grassland** vegetation community was comprised of native prairie vegetation dominated by little bluestem (*Schizachyrium scoparium*), silver bluestem (*Bothriochloa laguroides*), field brome (*Bromus arvensis*), meadow dropseed (*Sporobolus asper*), and white tridens (*Tridens albescens*). The wooded area in the northwest corner included groundcover species such as bushy bluestem (*Andropogon glomeratus*) and various sedges (*Carex* spp.) (see **Attachment D**). No wetlands were identified within or along the small drainage corridor. A wetland data form was completed near these vegetation species based on their status in the Great Plains National Wetland Plant List (2018). There were no hydric soils and no hydrology identified.

The **forested corridor** vegetation community, in the western survey portion, was observed with woody vegetation which included sugarberry (*Celtis laevigata*), Osage-orange (*Maclura pomifera*), honey locust (*Gleditsia triacanothos*), and roughleaf dogwood (*Cornus drummondii*). The woody vegetation observed along the fence line in the eastern portion had larger trees, including sugarberry, American elm (*Ulmus americana*), cedar elm (*Ulmus crassifolia*), post oak (*Quercus stellata*), water oak (*Quercus nigra*), and eastern redcedar (*Juniperus virginiana*). The western portion was observed with a gravel road entering the site from SH 24 that continued to unimproved surface parking and equipment operating areas associated with a pavement production company. The larger, eastern portion was predominantly undisturbed. The disturbed areas were identified as the **urban/disturbed** vegetation community characterized as unpaved and observed with open ground and gravel, and piles of debris predominantly lacking vegetation.

#### CONCLUSIONS

#### Preferred Habitat for Federally Protected Species

**Table 1** provides a summary of the federally and state-listed species that could potentially occur within Hunt County, as well as a brief description of their habitat, whether this habitat is present within the survey area, and whether the proposed project would potentially affect the listed species.

Regarding federally listed threatened and endangered species, Red Knot, Piping Plover, and Least Tern were listed for Hunt County. As the proposed project will not be related to wind energy, the Least Tern, Red Knot, and Piping Plover will not be affected. The habitats present within the survey area were not suitable for any of the federally listed threatened or endangered species. Nor were the habitats suitable for nesting, feeding, or stopover migration habitat for these species.

#### Preferred Habitat for State Protected Species

There were 14 state-listed threatened and endangered species for Hunt County, which includes three of the federally listed avian species. Any occurrence of the Least Tern, Piping Plover, and White-faced Ibis (*Plegadis chihi*) would be in relation to stopover during migration; however, no suitable stopover or nesting habitat was observed within the survey area. Black Rail (*Laterallus jamaicensis*) and Wood Stork (*Mycteria americana*) use marshes; the survey area was void of wetlands, so no habitat was present.

Although the tributary within the project site had pooled and flowing water, this hydrology was associated with the rain occurring in the preceding 24 hours. It is IES' opinion that the tributary only contained ephemeral or potentially intermittent flow. There were no perennial waters present within the survey area; therefore, suitable habitat for the Alligator snapping turtle (*Macrochelys temminckii*), Louisiana pigtoe (*Pleurobema riddellii*), Southern Hickorynut (*Obovaria arkansasensis*), Texas heelsplitter (*Potamilus amphichaenus*), and Texas pigtoe (*Fusconaia askewi*) was not present. The Texas horned lizard (*Phrynosoma cornutum*) prefers bare ground with scattered clumps of vegetation which does not occur within the survey area.

#### Vegetation Communities

None of the vegetation observed within the survey areas would be considered unique or compose a unique vegetation type for the region. The vegetation communities described were composed of species that are not only common to grassland and forested areas, but to the Cross-Timbers and Blackland Prairie eco-regions of North Central Texas. It is IES' professional opinion that the proposed project will not have any effect on any unique vegetation, vegetation communities, or habitat types.

Table 1. Federally- and State- listed Threatened and Endangered Species Occurring or Potentially Occurring in Hunt County, Texas

Species	State Status	Federal Status	Description of Habitat	Habitat Present <sup>1</sup>	Species Effect <sup>2</sup>
Interior Least Tern ( <i>Sterna antillarum</i> athalassos)	E	LE	The subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony.	No	No
Piping Plover (Charadrius melodus)	т	LT	Wintering migrant along the Texas Gulf Coast; beaches and bayside mud or salt flats.	No	No
Red Knot (Calidris canutus rufa)		LT	Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. The Red knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and tidal flat/shore.	No	No
Black Rail (Laterallus jamaicensis)	т	РТ	Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marshes, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia.	No	No
White-faced ibis ( <i>Plegadis chihi</i> )	т		Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal rookeries in so-called hog-wallow prairies. Nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats.	No	No
Wood Stork (Mycteria americana)		LT	Prefers to nest in large tracts of baldcypress (Taxodium distichum) or red mangrove (Rhizophora mangle); forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960.	No	No
Black bear (Ursus americanus)	т		Generalist. Historically found throughout Texas. In Chisos, prefer higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. luteolus, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.	Νο	No
Louisiana pigtoe (Pleurobema riddellii)	т		Streams and moderate-size rivers, usually flowing water on substrates of mud, sand, and gravel; not generally known from impoundments; Sabine, Neches, and Trinity (historic) River basins.	No	No
Southern hickorynut (Obovaria arkansasensis)	т		Clay, sand, and medium sized gravel substrates with low to moderate current; Neches, Sabine, and Cypress river basins.	No	No
Texas heelsplitter (Potamilus amphichaenus)	т		Quiet waters in mud or sand and also in reservoirs. Sabine, Neches, and Trinity River basins.	No	No
Texas pigtoe ( <i>Fusconaia</i> askewi)	т		Occurs in small streams to large rivers, usually in water with at least some current; not known from reservoirs. Found in a variety of habitats but most common in riffles. Inhabits various substrates though most often sand, gravel, and cobble.	No	No
Alligator snapping turtle (Macrochelys temminckii)	т		Perennial water bodies; deep waters of rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near deep running water; sometimes enters brackish coastal waters; usually in water with mud bottom and abundant aquatic vegetation; may migrate several miles along rivers; active March- October; breeds April-October.	No	No
Northern scarlet snake (Cemophora coccinea copei)	т		Terrestrial: Prefers well drained soils with pine, hardwood, or mixed hardwood scrub in addition to open grassland habitats with appropriate soils.	No	No
Texas horned lizard (Phrynosoma cornutum)	т		Open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive: breeds March-September.	No	No

LE – Federally Listed Endangered, LT – Federally Listed Threatened, DL – Federally Delisted, E – State Listed Endangered, T - State Listed Threatened <sup>1</sup>Habitat Present? – Does the habitat located within the survey area match the habitat requirements for that particular protected species? <sup>2</sup>Species Effect? – Will the proposed project potentially affect a protected species?

Data Sources: USFWS IPaC (4 January 2021), TPWD (04 January 2021), and field survey of the project site

### Potential to Affect Protected Species

As previously noted, no preferred habitat for any of the federally or state-listed species was present within the survey area. As such, the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species.

IES appreciates the opportunity to work with you and SCS Engineers on this project and hope we may be of assistance to you in the future. If you have any comments, questions, or concerns, please do not hesitate to contact me at 972-562-7672 (rreinecke@intenvsol.com)

Sincerely,

Integrated Environmental Solutions, LLC.

Rudi Reinecke

Rudi Reinecke Vice President

File ref: 04.306.004

## ATTACHMENT A

Figures





### ATTACHMENT B

Site Photographs









Photograph 2



Photograph 3



Photograph 5



Photograph 7 Revision 0



Photograph 4







Photograph 8







Photograph 11



Photograph 13



Photograph 15 Revision 0







Photograph 14



Photograph 16

August 2021

Applicant's Ex. 1, p. 000134







Photograph 18



Photograph 19



Photograph 21

Photograph 20



Photograph 22

## ATTACHMENT C

**Protected Species Lists** 



# United States Department of the Interior

FISH AND WILDLIFE SERVICE Arlington Ecological Services Field Office 2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 Phone: (817) 277-1100 Fax: (817) 277-1129 tp://www.fws.gov/southwest/es/arlingtontexas



http://www.fws.gov/southwest/es/EndangeredSpecies/lists/

January 04, 2021

In Reply Refer To: Consultation Code: 02ETAR00-2021-SLI-0758 Event Code: 02ETAR00-2021-E-01795 Project Name: Hunt County Transfer Station

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, which may occur within the boundary of your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under section 7(a)(1) of the Act, Federal agencies are directed to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Under and 7(a)(2) and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether their actions may affect threatened and endangered species and/or designated critical habitat. A Federal action is an activity or program authorized, funded, or carried out, in whole or in part, by a Federal agency (50 CFR 402.02).

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For Federal actions other than major construction activities, the Service suggests that a biological evaluation (similar to a Biological Assessment) be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

After evaluating the potential effects of a proposed action on federally listed species, one of the following determinations should be made by the Federal agency:

- 1. *No effect* the appropriate determination when a project, as proposed, is anticipated to have no effects to listed species or critical habitat. A "no effect" determination does not require section 7 consultation and no coordination or contact with the Service is necessary. However, the action agency should maintain a complete record of their evaluation, including the steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related information.
- 2. *May affect, but is not likely to adversely affect* the appropriate determination when a proposed action's anticipated effects are insignificant, discountable, or completely beneficial. Insignificant effects relate to the size of the impact and should never reach the scale where "take" of a listed species occurs. Discountable effects are those extremely unlikely to occur. Based on best judgment, a person would not be able to meaningfully measure, detect, or evaluate insignificant effects, or expect discountable effects to occur. This determination requires written concurrence from the Service. A biological evaluation or other supporting information justifying this determination should be submitted with a request for written concurrence.
- 3. *May affect, is likely to adversely affect* the appropriate determination if any adverse effect to listed species or critical habitat may occur as a direct or indirect result of the proposed action, and the effect is not discountable or insignificant. This determination requires formal section 7 consultation.

The Service recommends that candidate species, proposed species, and proposed critical habitat be addressed should consultation be necessary. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the wind energy

3

guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

For additional information concerning migratory birds and eagle conservation plans, please contact the Service's Migratory Bird Office at 505-248-7882.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

# **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

## **Arlington Ecological Services Field Office**

2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 (817) 277-1100

# **Project Summary**

Consultation Code:02ETAR00-2021-SLI-0758Event Code:02ETAR00-2021-E-01795Project Name:Hunt County Transfer StationProject Type:DEVELOPMENTProject Description:04.306.004Project Location:Event County Transfer Station

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@33.1960773,-95.92117689248244,14z</u>



Counties: Hunt County, Texas

# **Endangered Species Act Species**

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 3 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## **Birds**

NAME	STATUS
Least Tern Sterna antillarum	Endangered
Population: interior pop.	C
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/8505</u>	
Piping Plover Charadrius melodus	Threatened
Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except	
those areas where listed as endangered.	
There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/6039</u>	
Red Knot Calidris canutus rufa	Threatened
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/1864</u>	
Critical habitats	
THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFF	TICE'S

JURISDICTION.

Last Update: 8/25/2020

## HUNT COUNTY

#### BIRDS

Black Rail Laterallus jamaicensis

Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Federal Status: PT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

#### interior least tern Sternula antillarum athalassos

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: LE	State Status: E	SGCN: Y
Endemic: N	Global Rank: G4T3Q	State Rank: S1B

#### piping plover

#### Charadrius melodus

Beaches, sandflats, and dunes along Gulf Coast beaches and adjacent offshore islands. Also spoil islands in the Intracoastal Waterway. Based on the November 30, 1992 Section 6 Job No. 9.1, Piping Plover and Snowy Plover Winter Habitat Status Survey, algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. Sand flats often appear to be preferred over algal flats when both are available, but large portions of sand flats along the Texas coast are available only during low-very low tides and are often completely unavailable during extreme high tides or strong north winds. Beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Beaches are rarely used on the southern Texas coast, where bayside habitat is always available, and are abandoned as bayside habitats become available on the central and northern coast. However, beaches are probably a vital habitat along the central and northern coast (i.e. north of Padre Island) during periods of extreme high tides that cover the flats. Optimal site characteristics appear to be large in area, sparsely vegetated, continuously available or in close proximity to secondary habitat, and with limited human disturbance.

Federal Status: LT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2N

#### **Rufa Red Knot**

Calidris canutus rufa

Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (Donax spp.) on beaches and dwarf surf clam (Mulinia lateralis) in bays, at least in the Laguna Madre. Wintering Range includes-Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore.

#### Federal Status: LT State Status: T

Endemic: N

### Global Rank: G4T2

SGCN: Y State Rank: S2N

Revision 0

I/II-B-22

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000143 Plegadis chihi

white-faced ibis

rookeries in so-called hog-wall	low prairies. Nests in marshes, in low trees, on	the ground in bulrushes or reeds, or on floating mats.
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4B
wood stork	Mycteria americana	
Prefers to nest in large tracts or pastures or fields, ditches, and association with other wading wetlands, even those associated	f baldcypress (Taxodium distichum) or red ma other shallow standing water, including salt-w birds (i.e. active heronries); breeds in Mexico a d with forested areas; formerly nested in Texas	ngrove (Rhizophora mangle); forages in prairie ponds, flooded (ater; usually roosts communally in tall snags, sometimes in and birds move into Gulf States in search of mud flats and other s, but no breeding records since 1960
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: SHB,S2N
	MAMMALS	
black bear	Ursus americanus	
Generalist. Historically found in desert scrub of Trans-Pecos bottomland hardwoods, floodp forested areas.	throughout Texas. In Chisos, prefers higher ele (Black Gap Wildlife Management Area) and E lain forests, upland hardwoods with mixed pin	evations where pinyon-oaks predominate; also occasionally sighted Edwards Plateau in juniper-oak habitat. For ssp. luteolus, he; marsh. Bottomland hardwoods and large tracts of inaccessible
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3
	MOLLUSKS	
Louisiana Pigtoe	Pleurobema riddellii	
Occurs in small streams to larg (Howells 2010f; Randklev et a	ge rivers in slow to moderate currents in substra 1. 2013b; Troia et al. 2015). [Mussels of Texas	ates of clay, mud, sand, and gravel. Not known from impoundments 2019]
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G2	State Rank: S1
Southern Hickorynut	Obovaria arkansasensis	
Clay, sand, and medium sized	gravel substrates with low to moderate current	; Neches, Sabine, and Cypress river basins
Federal Status:	State Status: T SGCN: Y	
Endemic: N	Global Rank: GNR	State Rank: S1
Texas Heelsplitter	Potamilus amphichaenus	
1 onus 110015piittei		
Occurs in small streams to larg reservoirs. Often found in soft	ge rivers in standing to slow-flowing water; mo substrates such as mud, silt or sand (Howells e	ost common in banks, backwaters and quiet pools; adapts to some et al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019]
Occurs in small streams to larg reservoirs. Often found in soft Federal Status:	e rivers in standing to slow-flowing water; mo substrates such as mud, silt or sand (Howells e State Status: T	ost common in banks, backwaters and quiet pools; adapts to some et al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019] SGCN: Y

Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal

Revision 0

I/II-B-23

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000144
Texas Parks & Wildlife Dept. Annotated County Lists of Rare Species

Page 5 01 5	Page	3	of 3	
-------------	------	---	------	--

Texas Pigtoe	Fusconaia askewi	
Occurs in small streams to large river most common in riffles. Inhabits vari Randklev et al. 2014a; Troia et al 20	rs, usually in water with at least some current; not known from ous substrates though most often sand, gravel, and cobble (H 15).[Mussel of Texas 2019]	m reservoirs. Found in a variety of habitats but owells 2010a; Randklev et al. 2013b;
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G2?	State Rank: S2S3
	REPTILES	
alligator snapping turtle	Macrochelys temminckii	
Aquatic: Perennial water bodies; rive brackish coastal waters. Females eme	rs, canals, lakes, and oxbows; also swamps, bayous, and pon- erge to lay eggs close to the waters edge.	ds near running water; sometimes enters
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G2G3	State Rank: S2
northern scarlet snake	Cemophora coccinea copei	
Terrestrial: Prefers well drained soils soils.	with pine, hardwood, or mixed hardwood scrub in addition t	o open grassland habitats with appropriate
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5T5Q	State Rank: S3
Texas horned lizard	Phrynosoma cornutum	
Terrestrial: Open habitats with sparse	e vegetation, including grass, prairie, cactus, scattered brush o	or scrubby trees; soil may vary in texture from

Terrestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status:State Status: TEndemic: NGlobal Rank: G4G5

SGCN: Y State Rank: S3

August 2021

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000145

DISCLAIMER

#### ATTACHMENT D

Routine Wetland Determination Data Form

## WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: Hunt County Transfer Station	City/County: Commerce / Hunt County	Sampling Date: 01/07/2021
Applicant/Owner: SCS Engineers	State: TX	Sampling Point: 1
Investigator(s):	Section, Township, Range: N/A	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none):	Slope %: 15
Subregion (LRR): _ J Lat:33.196865	, N Long: -95.922899 W	Datum: NAD 1983
Soil Map Unit Name: Axtell Ioam, 1 to 5 percent slopes	NWI Classification:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes 🛛 No 🗌	(If no, explain in Remarks.)	
Are vegetation, 🗌 Soil, 🗌 Or hydrology 🔲 Significantly distu	rbed? Are "Normal Circumstances" present? Yes 🖂	No 🗔
Are vegetation, 🔲 Soil, 🗌 Or hydrology 🔲 Naturally problem	natic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS — Attach site map showing sampling poi	nt locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes 🗆 No 🖂		
Hydric Soil Present? Yes 🗆 No 🖂 🚦	s the Sampled Area within a wetland? Yes No 🖂	
Wetland Hydrology Present? Yes 🗆 No 🖂		
Remarks: Drainage course in northwest corner; eastern slope oriented toward small tributary		

## **VEGETATION – Use scientific names of plants.**

	Abcoluto 0/	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot Size: 30' Radius )	Coverage	Species?	Status	Number of Dominant Species That		
1. None		- <u>· · ·</u>		Are UBL, FACW, or FAC (excluding FAC-):	0 (	A)
2						
3				Total Number of Dominant Species	2 (	R)
а				Actoss All Shulu.	<u> </u>	D)
*				Percent of Dominant Species That		4 (D)
		_ = Total Cover		ARE UBL, FALW, OF FAL:	(	А/В)
<u>Sapling/Shrub Stratum</u> (Plot Size: 15' Radius )				Prevalence Index Worksheet:		
1. None				Total % Cover of:	Multiply By:	
2.				OBL species	x 1 =	_
3.				FACW species	x 2 =	_
4				FAC species	x 3 =	_
5.				FACU species	x 4 =	
		= Total Cover		UPL species	x 5 =	-
Herb Stratum (Plot Size: 5' Radius )		_		Column Totals:	(A)	(B)
1. Lolium perenne	80	Y	UPL			-
2. Andropogon glomeratus	8	N	FACW	Prevalence Index = $B/A$ =		
3.						
4.				Hydrophytic Vegetation Indicator	s:	
5.			·			
6.			. <u></u>	1 - Rapid Te	st for Hydrophytic Vegetation	
7.				2 - Dominan	ce Test is > 50%	
8			. <u> </u>	3 - Prevalen	re Index is $< 3.0^{1}$	
0				4 - Mornhold	naical Adaptations) (Provide suppor	tina data
			. <u></u>	in Remar	ks or on a separate sheet)	ing uulu
		= Total Cover	. <u></u>	Problematic Hvdr	onhytic Vegetation <sup>1</sup> (Explain)	
				<sup>1</sup> Indicators of hydric soil and wetle	ind hydrology must be present, unl	ess
<u>Woody Vine Stratum</u> (Plot Size: <u>30' Radius</u> )				disturbed or problematic.	, , , , , ,	
1. Rubus trivialis	10	Y	FACU			
2						
	10	= Total Cover		Present? Yes	🗆 No 🖂	
% Bare Ground in Herb Stratum 12						
Remarks:						
US Army Corps of Engineers		I/II-B-2	6		Great Plains — V	ersion 2.0

DILS								Sampling Point: <u>1</u>
file Descriptio	on: (Describe to the depth n	eeded to document t	he indicator or con	firm the absence of in	ndicators.)			
Depth (inches)	Matrix		(alon (maint)	Redox Featu	Turnal	1.4.2	Tautura	Domauka
(incres)		<u> </u>	Color (moisi)	90	Type	LO(*		Kemarks
0-6	10YR 3/2	100		<u> </u>		<u> </u>	Clay loam	
6-16	10YR 3/2	20		<u> </u>			Clay loam	
6-16	7.5YR 3/4	80					Sandy loam	
				<u> </u>				
				<u> </u>				
					D			
ric Soil indica	ration, D—Deptetion, KM—Keat itors: (Applicable to all LRR	s, unless otherwise i	ioted.)	Ins. "Location: PL—	rore lining, m-	- Mairix Indicators	s for Problematic Hydric S	oils <sup>3</sup> :
	Histosol (A1)		, D	Sandy Gleyed Matrix (S4)			1 CM Muck (A9) (LRR I, J)	)
	Histic Epipedon (A2)			Sandy Redox (S5)			Coast Prairie Redox (A16)	(LRR F, G, H)
	Black Histic (A3)			Stripped Matrix (S6)			Dark Surface (S7) (LRR G	)
Ц	Hydrogen Sulfide (A4)		님	Loamy Mucky Mineral (F)	)		High Plains Depressions (	F16)
	Stratified Layers (AS) (LKK F)		님	Loamy Gleyea Matrix (F2 Doplated Matrix (F2)	)		(LKK M OUTSIDE OT Poducod Vortic (E18)	MLKA / Z & / 3)
	Depleted below Dark Surface (A	11)	H	Redax Dark Surface (F6)			Red Parent Material (TF2)	
H	Thick Dark Surface (A12)	,	H	Depleted Dark Surface (F	7)		Verv Shallow Dark Surface	(TF12)
	Sandy Mucky Mineral (S1)		Ē	Redox Depressions (F8)	.,		Other (Explain in Remarks	)
	2.5 cm Mucky Peat or Peat (S2)	(LRR G, H)		High Plains Depressions	(F16	<sup>3</sup> Indi	cators of hydrophytic vegetati	, ion and wetland hydrology must
	5 cm Mucky Peat or Peat (S3) (L	.RR F)	_	(MLRA 72 & 73 of	LRR H)	be	present, unless distributed or	problematic.
Type: Depth (inches	None ): <u>N/A</u>					Hydric Soi	il Present? Yes 🗌	No 🖂
<b>DROLOGY</b>	gy Indicators:							
mary indicators	(minimum of one required; check	all that apply)				Secondary	y Indicators (minimum of two	required)
Surface Wo	ater (A1)		Salt Crust (B11)				Surface Soil Cracks (B6)	<u> </u>
] High Wate	r Table (A2)		Aquatic Invertebr	ates (B13)			Sparsely Vegetated Concave S	ourface (B8)
Saturation	(A3)		Hydrogen Sulfide	Odor (C1)			Drainage patterns (B10)	
Water Mar	rks (B1)		Dry-Season Water	Table (C2)			Oxidized Rhizospheres on Livi	ing Roots (C3)
J Sediment I	veposits (BZ)		Uxidized Rhizospl	ieres on Living Roots (C3)		_	(where tilled)	
J Dritt Depo	sits (BJ) or Crust (PA)	-	(where not ti	ilea) ad Iron (CA)		님	Crayfish Burrows (C8) Saturation Visible on Assist In	nagory (CO)
Aigai Mati	UI LIUSI (B4) cite (P5)	님	Thin Muck Surface	.eu 11011 (C4)			Suivialion visible on Aerial In Geomershic Resition (192)	iuyery (C7)
j iron vepos	n Visihle on Aerial Imaaery (R7)		Other (Evolution in 1	Remarks)			FAC-Neutral Test (NS)	
Water Stai	ined Leaves (B9)		Sinci (Exhiam mi	a a a a a a a a a a a a a a a a a a a			Frost-Heave Hummocks (D7)	(LRR F)
d Observation	ns:						X7	. ,
		N-1 M	Donth (inchor)					
ace Water Prese	ent? Yes? I I		Depin cincres	:				

Saturation Present?

Water Table Present?

(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes? 🔲 No? 🖂

Yes? 🔲 No? 🖂

Depth (inches):

Depth (inches):

Remarks:

Yes 🗌 No 🖂

Wetland Hydrology Present?

# **APPENDIX I/II-C**

# OIL AND WATER WELL LOCATION SUMMARY

scs engineers November 2021



# **APPENDIX I/II-D**

# LAND OWNERSHIP LIST

scs engineers November 2021

## Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 Brazin Properties LP P O Box 6247 1806 S Church Paris, Texas 75461
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 HELM CODY C & SARAH R 958 HWY 24 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

## Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III SITE DEVELOPMENT PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



		TABLE OF CONTENTS
SEC	ΓΙΟΝ	PAGE
1.0	INTR	DDUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	RAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]Ill-2
	2.2	WASTE MOVEMENT §330.63(B)(2)III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)Ill-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-5
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-6
		2.3.3 Protection of Endangered Species §330.63(b)(5)Ill-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)
6.0	COS	ESTIMATE FOR CLOSURE §330.63(J)III-10

## ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan



SCS Engineers TBPE Reg. # F-3407

# 1.0 INTRODUCTION

In accordance with 30 TAC §330.63(a), the following sections include the applicable portions of Part III of a permit application that summarize the land-use and zoning and the adequacy of access roads and highways surrounding the facility. Part III also provides information on the general design of the facility to safeguard the health, welfare, and physical property of people and the environment.

# 1.1 SITE LOCATION AND HISTORY

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24) approximately 0.4 mile north of the intersection of SH 24 and County Road 4317 and approximately 4 miles north of Campbell, Texas. The site location is shown on Figure I/II-1 in Parts I/II of this permit application. Additionally, an aerial photograph showing the site and access roads is included as Part I/II, Figure I/II-3, and a general topographic map is included as Part I/II, Figure I/II-2.

At its peak, the new facility will have a waste intake capacity projected at approximately 1,000 tons/day.

The physical address for the transfer station is 3491 SH 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N  $33^{\circ}11'48.6"$  latitude and W  $95^{\circ}55'23.5"$  longitude.

# 1.2 LAND USE AND ZONING [§330.63(A)]

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map and described in Section 3.1.2 of Parts I/II.

# 2.0 GENERAL FACILITY DESIGN

In accordance with 30 TAC §330.63(b), the general facility design is discussed in the following sections.

# 2.1 FACILITY ACCESS

# 2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]

In accordance with 30 TAC §330.61(i), an analysis of the adequacy of SH 24 was performed for the transfer station. Supporting data is included in Section 3.2 of Parts I/II. Based on these data, SH 24, which provides access to the facility, is adequate in capacity and structure to continue to serve the needs of the general public using SH 24, as well as the transfer station.

# 2.1.2 Fences and Access Control [§330.63(b)(1)]

Public access to the transfer station will be controlled by means of a perimeter fence which encompasses the entire permit boundary. Access to the transfer station is limited to the gated site entrance located off of SH 24.

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the site is minimized by controlling access to the transfer station with sites fencing, artificial barriers, locking entrance and exit gates. The fence will consist of an 8-foot-high privacy fence, with the exception of fencing along the entrance road up to the entrance gate, which will be a 6-foot-high chain-link fence. Part III, Attachment 1, Figure III-1.1 shows the location of the fencing and the gates.

During operating hours, the site personnel will continuously monitor the site entrance gate to prevent any unauthorized entry to facility. Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by site management.

A conspicuous sign measuring a minimum 4 feet by 4 feet will be maintained at the entrance to the facility. The sign will state the following: in letters at least 3-inches high:

- the name of the site,
- the type of site,
- the permit number issued by the TCEQ,
- the hours and days of operation,
- an emergency 24-hour contact phone number(s), and
- the local emergency fire department phone number.

The sign will be visible and readable from the facility entrance. Other signs stating rules will be posted throughout the site. A sign will state that certain wastes are prohibited from receipt at the facility, as discussed in the Part IV, Site Operating Plan.

Gates are also located on the north and east permit boundaries to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules. As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

# 2.2 WASTE MOVEMENT §330.63(B)(2)

# 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of \$330.63(b)(2)(G) do not apply.

## 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

## 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building will provide adequate passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a

perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels/walls (including vehicle access doors on the north and south sides), and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building has an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

The single-level building structure allows for more efficient flow of both the collection trucks and the transfer trucks. The direct loading into transfer trailers minimizes the residence time of the waste on the floor. Driving through the transfer station building with in-line unloading (rather than backing up and discharging into a loading pit or unloading area) promotes safer handling of the waste material and enhance employee safety.

## 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Visual screening is provided by the location of the transfer station being located approximately 675 feet from SR 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore, an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties at the locations shown on Figures I/II-6 and III-1.1.

Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation. The primary noise source of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with backup alarms set at the lowest possible noise level consistent

with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well.

# 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

## 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

## 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls will be constructed from metal panels and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. A spray nozzle, such as a pressure-washer, will be used to hose down the concrete tipping floor. It is estimated that each floor washing will require no longer than two hours. Using a pressure-washer with a discharge rate of 2.75 gallons/minute, it is estimated that each washing event will generate 330 gallons. Tipping floor washdown water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a 500-gallon (minimum) to 2,000-gallon (maximum) contaminated water holding tank. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

# 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this facility are summarized in the following sections.

# 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area.

# 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

# 4.0 WASTE MANAGEMENT UNIT DESIGN §330.63(D)(1)

In accordance with §330.63(d), the general design and waste operations and storage are summarized in the following sections.

# 4.1 WASTE OPERATIONS §330.63(D)(1)(A)

The facility is designed for efficient waste processing and transfer. All solid waste will be stored on the building tipping floor only and processed or transferred promptly, thereby preventing nuisances and public health hazards.

General operations will be conducted in a manner that allows for the prompt and efficient unloading of waste. The waste will be discharged from the collection vehicles onto the facility processing floor (tipping floor). Waste will be loaded into open-top transfer trailers, covered and transported to an authorized disposal facility.

As shown on Part III, Attachment 1, Figures III-1.3, the collection trucks will enter the site and will weigh-in at the scale house. The trucks will proceed to the transfer station building where they will unload the waste onto the tipping floor for processing and then return to the on-site access road to the exit the site. After the waste has been processed, the waste will be loaded into transfer trucks located on the tipping floor. After the transfer trucks are full, they will be tarped and proceed to the facility exit. Empty transfer trucks that are awaiting loading will que up on the area leading to the building.

# 4.2 SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227

Staging and processing areas at this facility will be located within the transfer station structure. The tipping floor is designed to control and contain spills and contaminated water. Contaminated water generated by the transfer station consists of washdown water applied to the tipping floor. Contaminated water is conveyed from the tipping floor to a minimum 2,000-gallon holding tank, which is pumped by a registered hauler and transported to a permitted waste water treatment facility for disposal.

# 4.3 WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. Solid waste will be stored in a manner to prevent fires, ensure safety, prevent a health hazard, or preclude food or harborage for animals and vectors, and contained to minimize windblown solid waste and litter. Solid waste will be stored either in a transfer trailer with a tarp cover or on the tipping floor with a tarp cover. Recyclable materials stored on the tipping floor or in enclosed containers will not require tarping. The maximum time waste material will be stored will not exceed 48 hours for the transfer station, except on holidays or weekends. On holidays and/or weekends the maximum time will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

# 5.0 CLOSURE PLAN §330.63(H)

A closure plan is included as Part III, Attachment 2.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is \$79,419.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



## FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Building Layout
- Figure III-1.5 Transfer Station Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



SCS Engineers TBPE Reg. # F-3407

# **FIGURES**





Applicant's Ex. 1, p. 000171



Applicant's Ex. 1, p. 000172

SLOPE BOLLARD · (TYP.) (VARIES) (VARIES) 20' (MIN) (VARIES) - DOOR DOOR · (TYP.) TRANSFER VEHICLES DRIVES 3 WALL (TYP.) TIPPING, FLOOR 120' (TYP.) GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) SLOPE SLOPE LOADER A III-1.5 WASTE COLLECTION VEHICLES DRIVES INTO AN UNLOADING POSITION - ELECTRICAL, SUPPLY STORAGE AREAS F 20' (MIN) (VARIES)<sup>.</sup> (VARIES) I O $\square$ (VARIES) 120' EGRESS SLOPE



PREPARED SUBGRADE 1. ELEVATIONS FOR THE TIPPING FLOOR WILL BE DETERMINED DURING THE DETAILED DESIGN PHASE.

- TIPPING FLOOR SLAB THICKNESS WILL BE DETERMINED AS PART OF FOUNDATION DESIGN, INCLUDING GEOTECHNICAL CONSIDERATIONS.

NOTES:

4. SEE PART III, ATTTACHEMENT 1, FIGURE III-1.6 FOR THE CONTAMINATED WATER MANAGEMENT PLAN.













#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III - ATTACHMENT 2 CLOSURE PLAN



**Prepared by:** 

## SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

# **TABLE OF CONTENTS**

## **SECTION**

## <u>PAGE</u>

1.0	INTRODUCTION	III-2-1
2.0	CLOSURE REQUIREMENTS	III-2-2
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	111-2-4
4.0	POST-CLOSURE CARE REQUIREMENTS	



**SCS Engineers** TBPE Reg. # F-3407

# 1.0 INTRODUCTION

In accordance with 30 TAC §330.459 and 30 TAC §330.461, Section 2.0 of this plan describes the steps necessary to close the facility at any point during its active life. Section 3.0 discusses Post-Closure Land Use of the site. Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC §330.463(a)(1).

# 2.0 CLOSURE REQUIREMENTS

The facility includes a partially-enclosed building, a scale house with scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates.

At the time of closure, the Owner or Operator will transport any remaining waste, waste residues, and any recovered materials to an off-site disposal facility permitted by the TCEQ. The tipping floor and processing areas will be washed down and disinfected. There are no facility units to be dismantled or removed off-site. The contaminated water storage tank will be emptied, flushed, and disinfected, but will remain at the site. The scale house building will be closed and locked. The water tank will be emptied during the washdown process and will remain at the site. The grit trap and sump for the contaminated water will be emptied, flushed, and disinfected, but will remain at the site will be emptied, flushed, and disinfected, but will remain intact. The related piping will be capped/plugged at the exit from the grit trap and sump. The stormwater drainage features at the site will remain intact in a functioning condition.

If there is evidence of a release from a municipal solid waste unit, the executive director of the TCEQ may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct an impact to groundwater, in accordance with 30 TAC §330.459(c).

In accordance with 30 TAC §330.461(a), no later than 90 days prior to the initiation of a final closure, the Owner will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will include the name, address, and physical location of the facility, the permit number, and the last day of intended receipt of materials for processing at the facility. The Owner or Operator will also make available an adequate number of copies of the approved Closure Plan for public access and review. The Owner or Operator will also provide written notification to the TCEQ of the intent to close the facility and place this Notice of Intent in the facility's operating record.

Closure activities for the site will begin after the date on which the facility receives the known final receipt of materials to be processed. The closure activities are as follows:

- Notify the TCEQ
- Post a minimum of one sign at the entrance to the facility notifying all persons who may utilize the facility of the date of closing for the facility and the prohibition against further receipt of waste materials after the stated date.
- Install suitable barriers at all gates or access points, or alternatively, fence around the entire waste processing area, to adequately prevent the unauthorized dumping of solid waste at the closed facility.
- Remove wastes, waste residues, and any recovered materials for disposal at an appropriate off-site location.
- Flush and disinfect the contaminated water holding tank.
- Wash and disinfect the transfer station building tipping floor and surfaces that have been in contact with waste, including contaminated water grit trap, sump, and related piping. Plug the related piping at the exit from the grit trap and sump.
- Drain the water tank during the washdown process.
- Conduct vector control procedures.
- Install suitable barriers, locks, and signs stating that the facility is closed.
- Repair damage to any fencing and gates and secure the site.
- Sample/test/classify the waste not readily identifiable as garbage, trash, or refuse, and transport to an approved disposal facility.
- Perform site inspection and prepare certification of closure in accordance with §330.461.

## 3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the facility, the Owner will submit, within 10 days, to the executive director for review and approval, a documented certification, signed by an independent registered professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330, Subchapter K. The submittal to the executive director will include all applicable documentation necessary for certification of final closure.

Following receipt of the required final closure documents, as applicable, the TCEQ's regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before terminating operation and closing the facility will be acknowledged and the facility deemed properly closed.

In accordance with §330.461(c)(3), Transfer Station Solutions will submit a request to the TCEQ for voluntary revocation of the facility permit.

## 4.0 POST-CLOSURE CARE REQUIREMENTS

Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC 330.463(a)(1). Therefore, no post closure care period is required.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

> PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE

> > **Prepared for:**

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



Applicant's Ex. 1, p. 000184

#### **TABLE OF CONTENTS**

SECTION		
1.0	INTRODUCTION	111-3-1
2.0	CLOSURE COST ESTIMATE	111-3-1

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A

**Closure Cost Calculation** 



SCS Engineers TBPE Reg. # F-3407

## 1.0 INTRODUCTION

The closure cost estimate for the Highway 24 Transfer Station has been prepared in accordance with 30 TAC §330.505. Current TCEQ rules do not require post-closure maintenance for the transfer station.

## 2.0 CLOSURE COST ESTIMATE

The facility includes a building, a scale house with a scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). The structure footprint will be approximately 120 feet by 120 feet with a concrete tipping floor, steel framing, metal exterior wall panels on two sides, and a roof.

A detailed estimate in current dollars of the cost of hiring a third party that is not affiliated (as defined in 30 TAC §328.2) with the Owner or Operator to close the facility at any time during the active life, when the extent and manner of its operation would make closure most expensive, is included in Table III-3.1. The cleanup and disposition costs for onsite waste material are based on a per ton measure, as shown in closure cost calculations provided in Appendix 3A. Engineering costs associated with the closure are based on standard engineering practice based on SCS Engineers' experience in completing these services at similar facilities.<sup>1</sup> No dismantling of the transfer station, scale house, concrete pad(s) or drainage structures will be conducted at closure. No changes to the site elevations at closure will occur that will affect the final contour map.

The estimated closure cost based on the above considerations is included in the attached Table III-3.1 in 2021 dollars. A copy of the required documentation to demonstrate financial assurance will be submitted 60 days prior to initial receipt of waste. During the active life of the facility, the Owner will annually adjust the Closure Cost Estimate and the amount of financial assurance for inflation in accordance with 30 TAC, Chapter 37, Subchapter J. An increase in the closure cost estimate and the amount of financial assurance will be made if changes to the facility conditions increase the maximum cost of closure. A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure and the Owner or Operator has provided written notice to the TCEQ of the detailed justification for this reduction. A permit modification, in accordance with §307.70, is required to reduce the closure cost estimate and the amount of financial assurance coverage for closure will be provided until all requirements of the Closure Plan are completed and the site is determined to be closed in writing by the TCEQ.

<sup>1.</sup> SCS Engineers is a national environmental engineering company providing solid waste services (including closure plans for transfer stations) as a core business.

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$6,000
B.2	Transport waste by a properly authorized transporter and dispose of	\$35,000
	waste at a properly authorized facility.	
B.3	General cleanup to include wash down of facility. To include	\$6,000
	removal, transport, treatment, and disposal of all wash down	
	waters/media.	
B.4	Vector control procedures.	\$1,500
B.5	Contaminated Water Disposal.	\$560
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$69,060
	Contingency Cost (15%)	\$10,359
	Total	\$79,419

## Table III-3.1Cost Estimate for Third Party Closure

## **APPENDIX III-3A**

#### **CLOSURE COST CALCULATION**



SCS Engineers TBPE Reg. # F-3407

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Item No.	Description	Estimated Quantity	Units	Approx. Unit Cost	Extended Cost	Notes
A	State Administration of Site Closure					
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	<b>\$</b> 4,000.00	
3	Procure Bids	1	L.S.	\$2,000.00	\$2,000.00	
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00	
В	General Cleanup of Site and Process Unit	ts				
1	Cleanıp and remove waste stored onsite	1,000	Tons	\$6.00	\$6,000.00	max.waste to be stored on site per SOP
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	1,000	Tons	\$35.00	\$35,000.00	Large capacity transfer trucks (cost based on operator experience)
3	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00	
4	Vector control procedures	1	L.S.	\$1,500.00	\$1,500.00	Assumes site requires one treatment by pest control co.
5	Contaminated Water Disposal	4,000	Gallons	\$0.14	\$560.00	Assumes cost of transportation and disposal at appropriate facility. Includes cost of disposing volume in 2000 gallon storage tank, plus additional washdown.
С	Secure Site					
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00	
D	Certification of Abandonement and Com	pletion of Clea	nup			
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00	
2	Sample/test/classify waste (ash, liquids, sludge, other waste not readily identifiable as garbage, trash, refuse). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00	
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated
	Subtotal				\$69,060.00	
E	Contingency Cost (15%)				\$10,359	
	GRAND TOTAL				\$79,419	

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

3. Additional calculations for contaminated water disposal are included on Page III-3A-3.

scs engineers February 2022

#### Highway 24 Transfer Station Contaminated Water Disposal Cost

Description	Value/Cost	Units
Mileage from site to Greenville Wastewater Treatment Plan	14	miles
Mileage for roundtrip	28	miles
Cost per mile (i.e., hauling cost per miling including profit for hauler)	\$5.00	
Size of truck (gallon capacity)	6,000	gallons
Disposal fee (per gallon) charged by WWTP <sup>1</sup>	\$0.100	
Contaminated Water Volume (including washdown)	4,000	gallons
Truck Trips	1.00	trips
Hauling Cost (i.e., mileage cost)	\$140.00	
mileage cost/gallon	0.04000	/gallon

#### Total cost per gallon (including hauling and disposal)

\$0.140 /gallon

1. Based on experience at various WWTPs.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

3/7/2022 SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407

> Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 SCS Project No. 16219083



### **TABLE OF CONTENTS**

<u>SECT</u>	<u>ION</u>			PAGE
1	INTR	ODUCT	[ION	IV-1
	1.1	Gener	ral Facility Design	IV-1
	1.2	Gener	ral Facility Operation	IV-1
	1.3	Gener	ral Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	IV-2
		1.3.2	Equipment Operators	IV-2
		1.3.3	Gate Attendants	IV-3
		1.3.4	Laborers	lIV-3
	1.4	Gener	ral Facility Equipment	IV-3
		1.4.1	Equipment for Emergencies	<b>F-3407</b> IV-4
2	WA	STE ACO	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	e Sources and Characteristics	IV-5
	2.2	Measu	ures for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	e Acceptance Rate	IV-9
	2.4	Waste	e Storage and Processing Time	IV-10
	2.5	Waste	e Disposal	IV-10
	2.6	Waste	e and Effluent Testing	IV-10
3	FAC	ility - C	GENERATED WASTES (30 TAC §330.205)	IV-11
4	COM		IATED WATER MANAGEMENT (30 TAC §330.207)	IV-12
5	STO	RAGE R	REQUIREMENTS (30 TAC §330.209)	IV-13
6	APP	ROVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	zen's c	COLLECTION STATION (30 TAC §330.213)	IV-15
8	REQ	UIREME	INTS FOR STATIONARY COMPACTORS (30 TAC §330.215)	IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site SecurityIV-22
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

#### TABLES

IV-1 Sumn	nary of	Personnel
-----------	---------	-----------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### APPENDICES

Appendix IV-1 Waste Acceptance Plan

SCS Engineers TBPE Reg. # F-3407

## 1 INTRODUCTION

This Site Operating Plan (SOP) for the Highway 24 Transfer Station has been prepared based on Title 30 of the Texas Administrative Code (30 TAC) Chapter 330, Subchapter E. The Highway 24 Transfer Station (facility) is a Type V municipal solid waste transfer station owned and operated by Transfer Station Solutions, LLC (TSS). The purpose of this SOP is to provide general instruction to site management and operating personnel throughout the operating life of the facility. This document provides an operating guide for site management to maintain the facility in compliance with the engineering design and applicable regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) or appropriate successor agency, to protect human health and the environment, and to prevent nuisances. This plan is formatted to follow the regulatory criteria set forth in 30 TAC §330.201-249 (Subchapter E of the TCEQ Municipal Solid Waste Regulations). The plan may also serve as a reference source to assist in personnel training. This SOP and the permit will be kept onsite throughout the facility's life.

If, at any time during the life of the transfer station, the facility manager becomes aware of any condition in the approved SOP which necessitates a variation from the SOP to accommodate new technology or improved methods which makes it impractical to keep the facility in compliance with the SOP, the site owner will submit a revised SOP to the TCEQ. Such proposed changes to the approved SOP may require a modification to the Highway 24 Transfer Station permit application in accordance with 30 TAC §305.70 or an amendment to the permit application in accordance with 30 TAC §305.62. The appropriate modification/amendment will be submitted for action by the TCEQ.

## 1.1 GENERAL FACILITY DESIGN

The transfer station site includes the transfer station structure with a scale house/office and vehicle scales. The inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The facility will include a water tank, a contaminated water holding tank, stormwater drainage features, and a fence with locking gates. The transfer station structure is a single-level, building with a processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floor, steel framing, metal exterior walls/panels, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The general design and construction details for the building components are included in Part III, Attachment 1, including a Site Layout Plan provided on Figure III1.1. The construction layout and building components are shown in Figures III-1.4 through III-1.7.

## 1.2 GENERAL FACILITY OPERATION

It is anticipated that incoming waste will mostly come in collection trucks (front-end- and rearend-loaded) and in roll-off boxes, with a lesser component received directly from small vehicles, dump trucks or end-dump style semi-tractor trailers. Waste collection vehicles will enter the site and be weighed at the scale. The gate attendant will screen incoming loads for their contents and acceptability and then direct these vehicles to the transfer station structure. Acceptable wastes will be off-loaded onto the tipping floor, inspected for prohibited wastes, and then loaded with site equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

### 1.3 GENERAL FACILITY PERSONNEL

#### 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class A or B license, as defined in 30 TAC §30.210.

#### 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of

non-employees and other persons while on the premises. Equipment Operators will be trained to check for and identify prohibited wastes, and to alert the Transfer Station Manager for proper removal. Equipment Operators monitor and direct unloading vehicles and are also responsible for maintenance, litter abatement, and general site cleanup. The Equipment Operators intervene as necessary to prevent accidents and report unsafe conditions immediately to the Transfer Station Manager. Examples of their daily responsibilities may include, but are not limited to: loading materials into transfer trailers and using equipment to sweep the tipping floor. The Transfer Station Manager or designated representative will supervise the equipment operations.

**Qualifications:** At a minimum, be capable of fulfilling the obligations and duties described under this section. Equipment Operators that are hired on the basis of specific heavy equipment experience may be assigned to operate specific types of equipment without additional training.

#### 1.3.3 Gate Attendants

The Gate Attendants will manage the scale house to receive waste. The gate attendants will perform the following tasks: control site access and screen incoming waste; visually inspect open containers to verify contents, including inquiring/checking for prohibited waste; dispense information on the proper utilization of the site; assess tipping fee charges; maintain records of each transaction and vehicles entering the facility; and direct persons to the transfer station structure as appropriate. The Transfer Station Manager or designated representative will supervise the Gate Attendants.

**Qualifications:** Will be required to have experience and education commensurate with job requirements, as described above, and computer literacy skills. If the new employee does not have previous transfer station experience, he/she will be required to complete a training program or on-the-job training specific to their job responsibilities, prior to working in an unsupervised position.

#### 1.3.4 Laborers

Laborers will provide miscellaneous operations support at the transfer station. This support will include, but is not limited to: sweeping the operations areas using manual equipment, performing facility wash-down, collecting and disposing of windblown litter, performing general equipment and building maintenance, and directing vehicles in the unloading areas. Other site personnel or Laborers may be employed from time to time in categories such as maintenance, litter abatement, and general site cleanup. The minimum qualifications for Laborers are the demonstrated abilities to perform assigned duties in a safe and effective manner. The Transfer Station Manager and/or the Equipment Operators will supervise the Laborers.

## 1.4 GENERAL FACILITY EQUIPMENT

Sufficient equipment will be provided to have adequate capability to conduct site operations in accordance with the design and conditions of the Site Development Plan (SDP) and this SOP.

The facility will typically use one bucket front-end loader and one raised-cab basket grapple loader with a scale (or similar materials handling equipment) for the transfer operations. The minimum equipment required to operate the facility is one front-end loader. Collection vehicles will unload MSW within the transfer station on the tipping floor. A front-end loader will typically push the

MSW towards a grapple loader (or similar materials handling equipment), which will transfer the MSW from the tipping floor into the transfer trailers or directly load waste from tipping floor to transfer trailers. The facility will have a permitted maximum rate of waste acceptance of 1,000 tons per day.

The facility will provide sufficient equipment if the volume of daily waste transfer will require additional equipment. Additional company-owned or rental equipment, such as road tractors, water trucks, and backhoes, may be provided as necessary to enhance operational efficiency. At infrequent times, such as during equipment breakdown or periodic maintenance, additional equipment stationed at other company facilities will be transported to the transfer station as needed. Other equivalent types of equipment may be substituted on an as-needed basis to adequately maintain the transfer station and meet the operational standards required by the TCEQ's regulations in accordance with all applicable local, state, and federal regulations.

#### 1.4.1 Equipment for Emergencies

Each major piece of equipment, scale house, and transfer station structure will be equipped with fire extinguishers. The on-site water tank will be available for firefighting purposes. A first-aid kit will be maintained at the site. Personal Protective Equipment will be supplied to the operators and laborers, as needed.

# 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)

## 2.1 WASTE SOURCES AND CHARACTERISTICS

This transfer station is authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste and certain special waste that are described in this section. Special waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. The parameter limitations, as required by \$330.203(a), applicable to this facility are associated with the types or classification of waste not accepted at the transfer station as described below and Section 2 of Part IV, Appendix IV-1 – Waste Acceptance Plan.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste;
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors;
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit);
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls;
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. The following special waste that do not interfere with site operations will be accepted at this facility:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste on a case by case basis;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate; and

- Non-RACM Incidental amounts of non-regulated asbestos containing materials (Non-RACM) (incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight).
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.
- Construction or Demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics;
- Class 2 Industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination); and
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes, referred to herein as prohibited wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
  - Class 1 non-hazardous industrial waste;
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
  - Septic tank pumpings;
  - Grease and grit trap wastes;
  - Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing

any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);

- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

A Waste Acceptance Plan (WAP) is included in Part IV, Appendix IV-1. Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of the WAP.

#### 2.2 MEASURES FOR CONTROLLING PROHIBITED WASTES

In order to address the detection and prevention of regulated hazardous wastes as defined in 40 Code of Federal Regulations (CFR) Part 261 and of polychlorinated biphenyls (PCB) waste as defined in 40 CFR Part 761, a Waste Screening Plan (WSP) and exclusion program will be implemented at the transfer station. The purpose of the program is to:

- 1. Prevent the unauthorized entry and disposal of wastes not approved by the rules and regulations of the TCEQ and the facility Permit
- 2. Protect the site operating personnel and customers using the facility
- 3. Maintain regulatory compliance

- 4. Assure that the site and surrounding areas are protected from possible contamination from prohibited wastes
- 5. Provide implementation procedures for the detection and exclusion program.

Procedures to detect and control the receipt of prohibited wastes include:

- 1. Informing facility customers and drivers of incoming hauling vehicles of prohibited wastes by posting one or more signs at the facility entrance listing prohibited wastes
- 2. Providing customers and drivers of incoming hauling vehicles (regular and occasional) with a written list of prohibited wastes
- 3. Training facility personnel:
  - Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste and PCB waste
  - Conducting random inspections of incoming loads in accordance with procedures described in this section
  - Maintaining records of all inspections

Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gate attendant and equipment operators will be trained in inspection procedures for prohibited waste. Supervisors will provide personnel with on-the-job training. Records of employee training on prohibited waste control procedures will be maintained in the site operating record.

If transfer station personnel identify any of the above indicators in an incoming load, then that load will be directed to an area out of the flow of traffic and facility personnel will further assess the load. If the load is determined to contain prohibited waste, then the load will be rejected and directed back to the generator.

#### 2.2.1 Managing of Prohibited Wastes

Known prohibited wastes detected during inspection are returned immediately to the hauler. If the hauler is not available, the waste will be placed in suitable collection bins. An effort is first made to identify the entity that deposited the prohibited wastes and have them return to the site and properly disposed of the waste material. In the event that identification of the source is not possible, the Transfer Station Manager will manage the waste so it is disposed of properly; however, the waste will not be allowed to remain on the site in the collection bins for more than 72 hours.

In the event unauthorized waste is not discovered until after the collection vehicle that delivered it is gone, the site will attempt to segregate the unauthorized waste and manage it properly as directed by the Transfer Station Manager. The site will, if necessary, notify the TCEQ and seek guidance on how to dispose of the waste. Documentation will be included in the site operating record each time unauthorized or prohibited waste is discovered and removed from the site. Site personnel will have a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements.

Unknown wastes undergoing analysis are properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

#### 2.2.2 Load Inspection Procedure

An Equipment Operator in the transfer station will visually inspect all incoming loads. Should any indication of prohibited waste be detected, appropriate personnel will conduct a thorough evaluation of the load. The driver is directed to a load inspection area in an unused area of the tipping floor where the load is discharged from the vehicle. The inspector breaks up the waste pile and inspects the material for any hazardous or prohibited waste. Facility personnel flag suspicious wastes. Known prohibited waste is placed back into the vehicle and the driver is instructed to depart the site. Should any regulated hazardous waste be detected, the entire load will be refused.

Reports of load inspections are completed for each inspected load. The reports include (at a minimum), the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, the contents of the load, the indicators of prohibited waste, and the results of the inspection.

In addition to the above procedure, incoming loads are inspected on a random basis. At a minimum, the transfer station will randomly inspect one percent of all incoming loads (not to be less than one incoming waste vehicle) per day. The driver of a randomly selected load will be notified at the scale house and instructed to proceed to the inspection area of the tipping floor that is out of the flow of normal transfer station traffic. At this point, the operator will visually inspect the contents of the load and document the contents for the type of waste contained. Following any random inspection, documentation of the inspection will be placed in the site's operating record. The documentation will include information such as the date, time, name of inspector(s), transporter/generator information, and waste information.

#### 2.3 WASTE ACCEPTANCE RATE

It is anticipated that the transfer station facility daily waste rate will not exceed 1,000 tons per day. An estimate of the amount of waste to be received daily, by waste type, is as follows:

rable i v o Summary of Waste Types		
Wasta Typa	<b>Estimated Daily</b>	
waste Type	Amount	
MSW	50% to 100%	
C & D	0% to 50%	
Special Wastes	0% to 25%	
Yard Waste	0% to 25%	
Class 2	0% to 25%	
Class 3	0% to 25%	

#### Table IV-3 Summary of Waste Types

These waste amounts are only estimates and are not intended to be a limitation or constraint on the site operations.

### 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

#### 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream for proper management either through recycling per 30 TAC Chapter 328 of the TCEQ regulations or transported to permitted landfills where they will be split in half, quartered or shredded prior to disposal.

## 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in \$330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in \$330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

## 3 FACILITY - GENERATED WASTES (30 TAC §330.205)

The only wastes that the transfer station will generate are the contaminated water from the floor wash down process, incidental liquids in the trucks, and the waste in the portable sanitary facilities. The characteristics and approximated constituent concentrations of the waste in the portable sanitary facility will consist of only human waste and approved deodorizing chemicals utilized by an approved portable toiler provider. Portable sanitary facilities will be maintained in accordance with instructions from the providers of such facilities.

Also, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system. At the appropriate times, the owner will engage appropriately-trained contractors for maintenance of that system.

The contaminated water (wastewaters) from incidental liquids in the trucks and the floor wash down process will be managed in accordance with §330.207 as described in Section 4.0 of this Site Operating Plan. The transfer station will maintain documentation in the Site Operating Record indicating that the contaminated water as well as the portable sanitary waste was (1) removed from the facility by a licensed or permitted entity eligible to receive and dispose of such wastes and (2) disposed of at a wastewater treatment facility permitted by the TCEQ. The facility will not generate sludges, therefore the requirements of §330.205(d) do not apply.

## 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, contaminated water holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. The contaminated water holding tank and interconnecting piping for grit trap/sump will be dual-contained. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank, sump, and associated piping will be inspected on a twice monthly basis. The tank will be inspected for evidence of leaks (water in the outside dualwall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Furthermore, consistent with 30 TAC §330.207(g), the concentration of oil and grease of wastewater to be hauled to a permitted treatment facility will not exceed 200 milligrams per liter

or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System. Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

## 5 STORAGE REQUIREMENTS (30 TAC §330.209)

Solid waste entering the facility will be stored in the covered TS structure or loaded in transfer trailers. All solid waste will be stored in a manner to prevent fires, ensure safety, prevent and control vectors and odors, and contained to prevent windblown solid waste and litter.

No solid waste loading, storage, or disposal will occur within any easement, buffer zone, or rightof-way that crosses the facility. When necessary, MSW material will be stored onsite for a maximum time not to exceed 48 hours, except on holidays and/or weekends, where it will not exceed 72 hours. The volume of MSW stored overnight will not exceed 500 tons. Waste that is stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Tarping of segregated recyclable materials will not be required. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or rightof-way.

## 6 APPROVED CONTAINERS (30 TAC §330.211)

Solid waste entering the facility is transferred from incoming haul vehicles to the tipping floor. Waste that is placed on the tipping floor will be transferred to transfer trailer vehicles via loading equipment. The transfer trailers will be durable and designed for safe handling and cleaning. The transfer trailers will be equipped with tarps or covers to be used during transport. In addition, the trailers are designed to prevent spillage or leakage during storage, handling, and transport, which are approved containers consistent with §330.211.

The transfer trailers are washed, as necessary, so that they do not constitute a nuisance and to restrict the harborage, feeding, and propagation of vectors.

Reusable containers emptied manually must be capable of being serviced without physical contact with waste.

## 7 CITIZEN'S COLLECTION STATION (30 TAC §330.213)

Since this transfer station will charge all vehicles using the facility, only a small number of small vehicles are anticipated to utilize this facility. In view of the limited number of small vehicles, no citizen's convenience center is proposed for the facility. As such, the requirements of §330.213 do not apply. If a citizen convenience center is deemed necessary to address the needs of small vehicles in the future, a permit modification will be developed and submitted to the TCEQ to address this change.

## 8 REQUIREMENTS FOR STATIONARY COMPACTORS (30 TAC §330.215)

The facility will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.

## 9 PRE-OPERATION NOTICE (30 TAC §330.217)

The facility will not operate a mobile liquid processing unit or perform any type of liquid waste processing; therefore, the requirements of §330.217 do not apply.

## 10 RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)

A copy of the permit, the approved Permit application, the approved site operating plan, an asbuilt set of construction plans and specifications, and other required plans and related documents will be maintained in the operating record at the facility scale house. These plans and documents will be furnished upon request to TCEQ representatives and made available for inspection at a reasonable time by TCEQ representatives or other interested parties. These plans and documents are part of the facility's operating record and may consist of hard copies or as electronic documents. The operating record will be maintained in an organized format that will allow information to be easily located and retrieved. All information contained within the operating record and the different required plans will be retained during the active life of the facility and until after certification of closure.

The following records will be kept, maintained, and filed as part of the facility operating record. Log books and schedules may be used.

- Access Control Inspection and Maintenance;
- Daily Litter Pickup;
- Windblown Waste and Litter Control Operations;
- Dust Nuisance Control Efforts;
- Access Roadway Regrading;
- Fire Occurrence Notices, if applicable.

In addition to the plans and documents listed above, the information listed in Table IV-4 will be recorded and retained in the operating record. This information will promptly be placed in the operating record.

Records To Be Maintained	Rule Citation
1. All location-restriction demonstrations	§330.219(b)(1)
2. Inspection records and training procedures	§330.219(b)(2)
3. Closure plans and any monitoring, testing, or analytical data relating to closure requirements	§330.219(b)(3)
4. Cost estimates and financial assurance documents relating to financial assurance for closure	§330.219(b)(4)
5. Copies of all correspondence and responses relating to the operation of the facility, modifications to the permit, approvals, and other matters pertaining to technical assistance	§330.219(b)(5)

#### Table IV-4 Operating Record

Records To Be Maintained	Rule Citation
6. Documents, manifests, shipping documents, trip tickets, etc., involving special waste	§330.219(b)(6)
<ol> <li>Other document(s) as specified by the approved Permit or by the executive director</li> </ol>	§330.219(b)(7)
8. Record retention provisions for trip tickets consistent with §312.145	§330.219(b)(8)
9. Alternative schedules and notification requirements, if applicable	§330.219(g)
10. Inspection records and training procedures relating to fire prevention and facility safety	§330.221
11. Access control breach and repair notices	§330.223
12. Waste unloading/prohibited waste discovery	§330.225
13. Record of alternative operating hours if applicable	§330.229(b)

All reports and other information requested by the executive director will be signed by the owner or operator of the facility as described in \$305.44 or by a duly authorized representative of the owner or operator. Consistent with \$330.219(c)(2), if an authorization is no longer accurate because of a change in individuals or position, a new authorization satisfying the requirements of the rule will be submit to the executive director prior to, or together with, any reports, information, or applications to be signed by an authorized representative. In accordance with \$330.219(c)(1)(A)-(C), a person is a duly authorized representative only if:

- 1. The authorization is made in writing by the owner or operator as described in §305.44(a);
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility or activity or for environmental matters for the owner or operator, such as the position of plant manager, environmental manager, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the executive director of the TCEQ.

The person signing the report will make the certification in accordance §305.44(b).

Additionally, annual reporting shall be submitted to the executive director of the TCEQ in accordance with §330.675(b).

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility. The water tank will be maintained with a minimum water level of 75% of the total capacity, with the exception of immediately after use. To ensure adequate pressure to reach the far corner of the tipping floor, the tank will also be equipped with a booster pump. The water tank will be connected to a 100 gallon per minute (gpm) pump with pressure controls that are connected to a Class III standpipe (consistent with National Fire Protection Association [NFPA] fire code NFPA-1 – Fire Code). The standpipe and pump system will be capable of providing 100 gpm at 100 psi through a 1.5-inch diameter fire hose. The standpipe, pump, and hose system will be installed consistent with NFPA 14 - Standard for the Installation of Standpipes and Hose Systems.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;
- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

## 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.
# 12 ACCESS CONTROL (30 TAC §330.223)

Fences and gates encompassing the entire transfer station facility will control public access to the transfer station. Access will be limited to the gated site entrance on State Highway 24 (SH 24). This site entrance will be secured by a gate that is monitored by site personnel during normal site operating hours. During extended operating hours (nights and weekends), the gate attendant may be replaced with an operator. Outside operating hours, the gates at the entrance and exit will be locked.

#### 12.1 SITE SECURITY

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the transfer station facility is minimized by controlling access with fences and gates with the entrance road secured by a locking gate. The perimeter fence will consist of an 8-foot-high privacy fence, with exception of fencing along the entrance road up to the entrance gate, which will be 6-foot-high chain-link fence.

The site entrance located off of SH 24 will serve the transfer station. This site entrance is secured by a gate, and access to the transfer station is monitored by a site attendant that may consist of a Scale Attendant, Equipment Operator, Laborer or the Transfer Station Manager who will be on site during operating hours. Outside the operating hours, the gates at the entrance and exit will be locked.

Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, authorized users, and properly identified persons whose entry is authorized by site management. 30 TAC §330.223(b) requires safety bumpers at hoppers for vehicles. The transfer station layout does not contain hoppers; therefore, this regulation is not applicable to this facility.

The site's perimeter fencing and gates will be inspected once weekly for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a third party company will perform repairs, as necessary.

The gates on the north and east permit boundaries are to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ's rules.

#### 12.2 TRAFFIC CONTROL

Access to the transfer station is limited to the site entrance located off of SH 24. Vehicular traffic to and from the transfer station will utilize this single access road. The site all weather access road will be at least 22-foot wide to accommodate two-way traffic entering and exiting the facility. The site exit onto SH 24 will be controlled by a stop sign. The site entrance/exit location and traffic flow directions are shown on Figure III-1.3. The site entrance/exit road, as well as the internal access roadways are designed for the projected facility traffic and will provide the appropriate width and turning radii for the waste vehicles to prevent a disruption in traffic flow at the facility.

Mud and dust will be controlled in accordance with Section 19.0 of this SOP. The gate attendant or other designated employee will restrict site access to designated authorized vehicles and direct these vehicles appropriately. All visitor and employee parking and equipment storage will be located in an area outside of the transfer station traffic flow.

Signs located at the entrance of the transfer station direct solid waste transportation vehicles to the appropriate unloading/loading areas. Site personnel provide traffic directions as necessary to facilitate safe movement of vehicles.

# 13 UNLOADING WASTE (30 TAC §330.225)

Waste authorized to be accepted at the transfer station are described in Section 2.1 of this plan. Once an incoming vehicle's weight has been recorded, the gate attendant will direct the vehicle to the tipping floor area of the transfer station. The gate attendant will inform the hauler that the waste is only to be unloaded in the area where the hauler is directed to unload by site operating personnel. Signs directing traffic from the scale house to the transfer station structure will be located as needed along the route to the transfer station structure. Trained personnel inside the transfer station structure will direct and observe the unloading of waste. The owner or operator is not required to accept any solid waste which he/she determines will cause or may cause problems in maintaining compliance with the TCEQ regulations. Signs directing traffic from the transfer station structure to the exit road will be located as needed along the route from the transfer station structure to the transfer station.

Unloading waste in unauthorized areas will be prohibited. Any waste identified as having been deposited in an unauthorized area will be immediately moved to the tipping area. The trained personnel working inside the transfer station structure will observe each load that is dumped on the tipping floor. The trained personnel have the authority and responsibility to reject unauthorized loads, have the transporter remove unauthorized material. In situations where the transporter does not remove unauthorized material, the transfer station manager will implement procedures as described in Section 2.2.1 of this plan and assess appropriate surcharges. A record of unauthorized material removal will be maintained in the Site Operating Record.

Prohibited waste will not be allowed to enter the transfer structure. The gate attendant will be the first point of contact with the hauler. The hauler will be asked to inform the gate attendant of the content of the load. The gate attendant will visually inspect open containers to verify contents. In the event that prohibited wastes are identified in the load, the entire load will be turned away from the gate and not allowed entrance to the transfer station. In the event that the prohibited waste is not detected in the load until unloading on the tipping floor, the load will be handled as discussed in Section 2.2.1 of this plan.

# 14 SPILL PREVENTION AND CONTROL (30 TAC §330.227)

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) under the transfer station structure roof; therefore, contact of storm water with waste material is limited. A contaminated water management plan and related details for handling contaminated water and clean storm water is included in Part III, Attachment 1, Figures III-1.6, and III-1.7, and Attachment 1, Appendix A, respectively.

## 15 OPERATING HOURS (30 TAC §330.229)

To promote efficient, safe and sanitary operations at the facility, and to prevent any disruption of solid waste management services in the area, the following operating hours will apply:

Waste Acceptance Hours	5:00 a.m. to 6:00 p.m., Monday – Saturday
Heavy Equipment Hours	4:00 a.m. to 7:00 p.m., Monday - Saturday

General Facility Operations (i.e. floor cleaning, preventative maintenance, office work, janitorial services) 24 hours per day, seven days a week

Disaster or Emergency Hours; Additional Temporary Hours (Regional Office Approval, as needed – Document in Operating Record)

Alternative Operating Hours; Up to five additional days per annum (Special Occasions, Events, Holidays – Document in Operating Record)

The actual hours and days of operation will be posted on the entrance sign.

Hours of operation beyond the standard operating hours listed in 30 TAC § 330.229(a) are necessary to support the hauling operations that will utilize the facility and to ensure the efficient and timely receipt, processing, and transfer of solid waste for offsite disposal. Hauling operations in the area provide routine collection services on Saturdays and during the early morning hours. Extended hours will assist the owner and operator in properly managing the demand and ensuring compliance with the approved site development and operating plans for the facility. General facility operations will typically occur outside waste acceptance and heavy equipment operating hours to avoid interference with solid waste management activities at the transfer station.

# 16 FACILITY SIGN (30 TAC §330.231)

A conspicuous and readable sign will be displayed at the site entrance off of SH 24. The sign will measure at least 4 feet by 4 feet, and have lettering at least 3 inches in height stating the name of the site, type of site, hours and days of waste acceptance, an emergency 24-hour contact phone number(s), the local emergency fire department phone number, and the TCEQ Permit number. Another sign will list all prohibited wastes from receipt at the facility as discussed in this SOP and will be located along the facility entrance road. Other signs stating rules, operating procedures, and warnings will also be posted in this area.

Within the site, signs will be placed along the transfer station access road at an adequate frequency to direct users to the transfer station structure.

Signs prohibiting smoking will be posted near the facility entrance or scale house. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

#### 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter throughout the facility will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

# 18 MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)

The transfer station manager will take steps to encourage operators of open-top vehicles hauling waste to the facility to utilize tarpaulins, nets, or other means to effectively secure their loads. In addition to routine checks by the gate attendant, actions such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges or similar measures will be taken to control the spillage of waste en route to the transfer station facility. On days when the facility is in operation, the transfer station manager will be responsible for at least once per day cleanup of waste spilled along and within the right-of-way of all public access roads serving the facility for a distance of 2 miles in either direction from the entrance to the facility. The transfer station manager or his designee will consult with TxDOT officials as necessary concerning cleanup of state highways and rights-of-way consistent with 30 TAC §330.235.

# 19 FACILITY ACCESS ROADS (30 TAC §330.237)

The scale house area and entrance/exit road to/from the transfer station facility are designed to be accessible in all weather conditions. The entrance/exit road and all internal facility roadways are surfaced with asphalt or concrete. The surface condition of these roads will be maintained and repaired regularly to minimize potholes or low spots to promote positive drainage. The surfacing of all site roadways will minimize the tracking of mud and trash onto public roads. Dust control will be provided through a street sweeper and/or water truck, as needed. Any tracked mud and associated debris that accumulates on facility roadways will be cleaned by washing down, sweeping, or scraping, as necessary, to minimize tracking those materials onto the public roadways. Litter and any other debris will be monitored at least daily, and picked up on an asneeded basis and taken to the transfer station for disposal as discussed in Section 18.0 of this plan.

Fugitive dust emissions will be minimized by the surfacing or watering of all on-site roadways and regular cleaning procedures.

# 20 NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)

The site will be designed to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and adverse visual impacts.

# 21 OVERLOADING AND BREAKDOWN (30 TAC §330.241)

The design capacity of the facility of 1,000 tons per day will not be exceeded. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harboring of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

The maximum volume of waste that will be stored at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor. No storage of waste materials will occur off the tipping floor, other than loaded transfer vehicles waiting to haul waste off-site.

If a significant work stoppage should occur at the facility due to a mechanical breakdown or other causes, the facility will accordingly restrict the receipt of solid waste. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. If waste remains on the tipping floor during these periods, cover tarps will be used to control potential odors, flies and other vectors. The maximum holding time under these circumstances will not exceed 48 hours, except holidays and weekends. During holidays and/ or weekends, waste may be temporarily stored at the facility not to exceed a time period of 72 hours. Waste is generally stored for less than 24 hours.

If the work stoppage is anticipated to last longer than the time periods noted above, steps will be taken to remove the accumulated solid waste from the site to an approved backup processing or disposal facility.

## 22 SANITATION (30 TAC §330.243)

The tipping floor and any other working surface that comes into contact with wastes will be washed down weekly. The slope of the transfer station floor and transfer station operations will prevent wash waters from accumulating, creating odors or an attraction to vectors. As discussed in Section 4, all wash waters will be collected and disposed of in an authorized manner.

# 23 VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)

Ventilation will be provided in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's design and high ceiling will provide ample passive ventilation. Dust and particulates that may occur in the building will be controlled, as needed, using water sprays, mist systems, or similar methods.

A minimum 50-foot buffer will be provided between the transfer building and the site boundaries to minimize the likelihood of nuisance odors from leaving the boundary of the facility. If, at any time, nuisance odors are found to be passing the facility boundary, the owner or operator will modify waste transfer operations to reduce the time waste is accumulating on the tipping floor. If modified transfer operations do not succeed in abating odors, the owner or operator will employ and properly maintain/operate odor control equipment. If necessary, the facility will suspend operations until the nuisance has been properly abated.

The facility will ensure that the operation of the facility does not violate any applicable requirements of the approved state implementation plan developed under the Federal Clean Air Act, Section 110, as amended, and TAC 330.15(d), which prohibits the burning of waste. Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. Air emissions and odors will be controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. Appropriate authorization under Chapter 116 or Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Station), as applicable, will be obtained prior to operating the transfer station. Reporting emissions events, if applicable, will occur in accordance with 30 TAC §101.201 and reporting scheduled maintenance will occur in accordance with 30 TAC §101.211.

No waste loading, unloading, processing, or disposal will occur outside the building. All liquid and solid waste shall be stored in odor-retaining containers and vessels. A minimum 50-foot buffer will be provided between the transfer building and the site boundaries. The owner's additional measures to prevent and control potential odors being generated and migrating off site include the following:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor
- Draining the contaminated water tank
- Use of cover tarps in the event waste is stored overnight in the transfer station
- The deployment of a deodorizing system at appropriate locations, if necessary.

The site will be graded to prevent the ponding of water in improper locations which are not part of the drainage system. The on-site drainage structures will be maintained to promote positive drainage, thus minimizing any nuisance odors associated with stagnant water.

Washwaters will not be allowed to accumulate on the tipping floor. Washwater will be managed consistent with the procedures outlined in Section 4 of this Site Operating Plan.

# 24 HEALTH AND SAFETY (30 TAC §330.247)

Designed for safety, the transfer station features traffic flow based primarily on safety considerations, including reduced risk from backing up. Transfer station operations are based on a predictable pattern of traffic, tipping and loading. The building's open design and high ceiling eliminates the need for pits, thereby improving visibility. Facility personnel will be trained in accordance with the facility's health and safety plan.

Safety training for all personnel will be provided routinely and will be the responsibility of the transfer station manager. The transfer station manager will enforce safety rules and policies and promptly investigate and report all accidents. Operators will wear personal protective equipment such as hard hats, safety glasses, and dust masks, when appropriate. Fire extinguishers will be available at all times. The transfer station structure will be supplied by an on-site water holding tank. Detailed procedures that comprise the Safety Plan for the facility are discussed below.

#### 24.1 EMERGENCY PREPAREDNESS

Preparedness and preventive measures to minimize both the frequency and severity of accidents and emergency situations threatening human health will be implemented at the facility. These measures will largely depend on the attentiveness and state of readiness of facility personnel. All personnel will undergo in-house training to introduce the measures below.

#### 24.1.1 General Measures

The following general measures will be implemented for the overall facility:

- Employee breaks or rest periods will be provided to minimize employee fatigue factor, improve alertness, and thereby reduce accident potential.
- Access controls will prevent entry of unauthorized personnel.
- Routine equipment preventive maintenance will be provided.
- A management representative will perform regular site inspections.
- Appropriate personnel safety equipment will be maintained on site in good condition.
- Adequate turning area for hauling vehicles will be provided.
- Scavenging will not be allowed and individuals will be required to stay close to their vehicles for their protection.
- Unloading will be restricted to designated areas only.
- Site personnel will be alert for possible prohibited wastes entering site.
- As discussed in Section 2 of this SOP, prohibited wastes will be controlled or contained and removed as necessary.

#### 24.1.2 Measures for the Unloading and Receiving Area

The following measures will be implemented within the unloading/receiving area of the facility:

- Inspect loads as per procedures developed based on guidelines detailed in Section 2.2 of this SOP.
- Observe incoming vehicles for evidence of improper operation, faulty equipment, or other conditions that could be detrimental to the facility personnel or other persons on site.
- Make emergency equipment available and maintain a first-aid kit in the facility.
- Post emergency telephone numbers.
- Display signs warning transporters that hazardous wastes and PCB, radioactive, and other prohibited wastes are not accepted.

#### 24.2 EMERGENCY AND CONTINGENCY PROCEDURES

Emergency and contingency procedures will be implemented at the facility in the event of accidents, or environmentally significant releases of waste or waste constituents to air, soil, surface water or groundwater. These procedures constitute an initial response by facility staff that will be supplemented, as necessary, by outside emergency services. Emergency assistance requests will be handled through conventional means (e.g. calling 911).

The following situation-specific procedures are initially proposed and are subject to revision, as required, based on experience gained with time.

#### 25 EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)

Potable water and sanitary facilities will be provided for all employees and visitors at the scale house. Portable sanitary facilities may be utilized and will be maintained in accordance with instructions from the providers of these facilities. As noted in Section 3, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system.

## 26 DISEASE VECTOR CONTROL

The transfer station is designed to prevent the nuisances that can attract disease vectors such as flies and rodents. The building is designed to allow waste to flow through and not accumulate in the structure. There are no pushwalls behind which waste can accumulate. There is no loading pit, pit scales, elaborate covered drains or electric sumps to keep clean. Never-the-less, an exterminator will be contracted to spray/place traps at the facility twice per year to control vectors. Additional treatments will be scheduled, as appropriate.

# 27 DISPOSAL OF LARGE ITEMS

Bulky and large items arriving at the transfer station will be placed on the tipping floor so as to allow the loader to crush and flatten the items prior to loading into the transfer trailer. Where this is not possible, bulky or large items will be loaded into transfer trailers that have been partially filled to prevent damage to the trailer from impact due to the heavy weight of bulky or large items.

Refrigerators, freezers, air conditioners, and any other items containing chlorinated fluorocarbon (CFC) will be handled in accordance with 40 Code of Federal Regulations §82.156(f)(2). Verification that the refrigerant has been evacuated from the appliance or shipment of appliances from whom the appliance or shipment of appliances is obtained, will be required prior to acceptance of the appliances at the facility. The verification will include a signed statement from whom the appliance or shipment of appliances is obtained, the name and address of the person who recovered the refrigerant, and the date the refrigerant was recovered. Any appliances inadvertently accepted containing refrigerant that has not been extracted or without verification, will be either returned to the generator, be temporarily set aside and refrigerant removed by an individual and/or company certified in refrigerant removal or taken to a certified refrigerant removing company where the refrigerant will be removed prior to processing at the transfer station.

# 28 SALVAGING AND SCAVENGING

Neither the public nor the site personnel will be allowed to salvage and scavenge waste materials delivered to the site for processing. Facility personnel will monitor the facility and use site access controls to prevent scavenging.

### 29 HANDLING OF INDUSTRIAL WASTES

The facility will not accept Class 1 non-hazardous industrial waste. Class 2 and 3 non-hazardous industrial waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Class 2 industrial waste accepted at the facility will generally consist of plant trash (paper, cardboard, linings, wrappings, paper and/or wooden packaging materials, food waste, uncontaminated wooden materials, and uncontaminated floor sweepings) as defined under 30 TAC §335.508(3) that may be disposed of with regular municipal solid waste. Class 3 non-hazardous industrial wastes will include inert and essentially insoluble industrial solid waste, including materials such as rock, brick, glass, dirt, certain plastics and rubber, etc., that are not readily decomposable as defined in §335.507 (relating to Class 3 Waste Determination).

## 30 FACILITY INSPECTION AND MAINTENANCE

Table IV-6 outlines the inspection and maintenance lists of the facility. The transfer station manager or a designee will perform the tasks. The inspection documentation will be retained in the operating record.

ITEM	TASK	Frequency
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	Daily as specified in Section 17.0.
Waste Spilled on Route to the Facility	Inspection and cleanup of waste materials along and within the right-of-way of the public access roads serving the transfer station (i.e., SH 24) at least 2 miles from the facility entrance, as needed.	Daily as specified in Section 18.0.
Facility Access/Egress Roads	Inspect facility access/egress roads for damage from vehicle traffic or excessive mud accumulation. Maintain as needed. Grading equipment will be used as needed to control or remove mud accumulations from being tracked onto SH 24.	Weekly or more often during wet weather or extended dry weather periods.
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily
Perimeter Swales and Channels	Inspect drainage features to verify that they are functioning as designed (e.g., excess sediment removed, outlet structures intact), as applicable.	Weekly and within 72-hours of a rainfall event of 0.5 inches or more.
Contaminated Water Holding Tank, Sump, and Piping	Inspect contaminated water holding tank, sump, and associated piping for evidence of leaks.	Twice Monthly

#### **Table IV-6 Facility Inspection and Maintenance List**

#### APPENDIX IV-1 Waste Acceptance Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

11/24/21 Prepared by:

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021

SCS Project No. 16219083

#### **TABLE OF CONTENTS**

#### **SECTION**

#### PAGE

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

#### TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

#### 1 INTRODUCTION

This Waste Acceptance Plan (WAP) outlines the acceptance requirements and review and approval process that will be used to accept special waste and industrial waste as defined by TCEQ at the Highway 24 Transfer Station.

The TCEQ solid waste regulations define special waste as a "solid waste or combination of solid wastes that because of its quantity, concentration, physical, chemical or biological properties requires special handling and disposal to protect human health and the environment."

Only those special wastes identified below may be accepted at this facility without prior written approval from the Executive Director and will be handled in accordance with the provisions stated in the rules. Any requests for approval of special waste will be in accordance with Title 30 Texas Administrative Code (TAC) §330.171(b).

- Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
- Pharmaceuticals, contaminated foods, or contaminated beverages, other than those contained in normal household waste;
- Empty containers which have been used for pesticides, insecticides, herbicides, fungicides, or rodenticides will be accepted provided the containers have been triple rinsed, crushed or rendered unusable upon receipt;
- Incidental amounts of non-regulated asbestos-containing material (NRACM). The incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight (annual basis is defined as the latest 4 consecutive quarters);
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.

No special waste will be received at the facility unless it is compatible with the loading equipment operated at the facility or unless modifications are made to the facility to accommodate the special waste.

The facility will not accept the following wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Liquid waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- Certain Special Wastes, including:

- Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
- Class 1 non-hazardous industrial waste;
- Untreated medical waste;
- Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
- Septic tank pumpings;
- Grease and grit trap wastes;
- Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);
- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

## 2 WASTE ACCEPTANCE

Special wastes listed above, other than the incidental special wastes contained in the waste loads, that are to be received at the transfer station must be preapproved by the landfill that will receive the waste in accordance with the receiving landfill's special waste screening and acceptance procedures and the landfill-specific Waste Acceptance Plan (WAP). Since each landfill's WAP will include its own limiting parameters, the transfer station will include the limiting parameters of the landfill as those to be applied to special wastes received at the transfer station. Such special waste evaluation and approval will take place prior to delivery of the waste to the transfer station. If there are any questions about the acceptability of the special waste, the transfer station manager (or his designee) will clarify the matter with the disposal facility manager prior to approving the special waste at the transfer station. Typically, the special waste analyst for the landfill will utilize information provided by the generator (e.g., waste-specific chemical and characteristic information or process knowledge information) to determine the acceptability of a waste for disposal at the landfill. The landfill's special waste analyst will be responsible for maintaining and utilizing current TCEQ guidelines and constituent limits for evaluation of wastes. The landfill's special waste analyst will also be responsible for knowing and applying future changes to regulatory guidelines, review and acceptance procedures. This information will be provided to the appropriately trained transfer station personnel prior to waste acceptance at the transfer station.

Special waste review procedures will include:

- 1. The Special Waste Profile (SWP) must be completely filled out and legible including addresses, contact names, phone numbers and signatures.
- 2. The information must include sufficient information to provide the analyst a clear understanding of the waste's type, origin, shipping method rate of delivery and total amount. If the description is insufficient, additional information will be requested of the generator.
- 3. The physical characteristics of the waste must include information on the chemical and physical properties of the waste sufficient to allow the analyst to identify the waste and correlate the properties to the appropriate TCEQ and Federal regulations. It is important that this, and all portions of the profile, be completely filled out. By signing the profile the generator certifies the information is accurate.
- 4. Site specific evaluation. The landfill's analyst will confirm that each special waste is acceptable in accordance with local, TCEQ and federal regulations as well the transfer station and receiving landfill.
- 5. The landfill's analyst may request additional information from the generator including additional analytical, process description, and Safety Data Sheets (SDS).

When a special waste arrives at the site, transfer station personnel may randomly select samples to visually compare the material presented for acceptance to the approved SWP to confirm that the physical characteristics (color, odor, appearance) of the material matches what is described on the profile. In the event the physical characteristic of the waste differs from the profile, the load will be detained and appropriate personnel called to investigate/evaluate the matter. The generator will be notified. Additional process and chemical analysis may be requested. If the discrepancies cannot be resolved, the load will be rejected.

### 3 OPERATING PROCEDURES

The transfer station personnel will exercise appropriate care and safeguards when processing special wastes. Only onsite personnel who have received special waste training will be utilized for processing special wastes. Specific handling/disposal procedures are detailed in Table IV-1A for the special wastes that will be processed at the facility.

Transfer trucks containing special waste will provide the required documentation to the receiving landfill concerning the special waste contained within the transfer trailer. The landfill will be responsible to ensure the transferred special waste is disposed of in accordance with the landfill's permit.

# TABLE IV-1A Special Waste Processing Procedures Summary

scs engineers August 2021

# Table IV-1ASpecial Waste Processing Procedures SummaryHighway 24 Transfer Station

Special Waste	Special Handling Procedures
Deceased animals	Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste will be accepted at this facility. This waste may contain some animal remains; however, the facility will not accept bulk quantities of deceased animals or animal remains in a specific shipment or load. All dead animals will be processed upon receipt or covered with a minimum of three feet of solid waste until it is processed into transfer trailers. The tipping floor and loading equipment will be cleansed with antibacterial cleaners at the end of each day when special waste containing deceased animal waste is processed.
Pharmaceuticals and contaminated foods that are not considered controlled substances	These wastes will be processed into transfer trailers promptly upon receipt. Operators will observe unloading and loading of these waste materials to ensure no scavenging or salvaging of waste. The tipping floor and loading equipment will be cleansed with antibacterial cleaners at the end of each day when special waste containing contaminated food waste is processed.
Empty containers, including paper, cardboard and metal, that have been used for pesticides, insecticides, herbicides, fungicides, or rodenticides	These containers will be processed in the transfer station upon receipt. These containers will not be allowed to accumulate on the tipping floor. All containers received will be handled in accordance with Title 30 TAC §330.171. All containers will be triple rinsed prior to arrival. If containers cannot be processed upon receipt they will be crushed with the loader and rendered unusable.
Incidental amounts of non- regulated asbestos-containing material (Non-RACM)	Loads of Non-RACM will be pushed directly to the loader for loading into the transfer trailer. Non-RACM will not be subject to any crushing or compaction by loading equipment that could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility. These procedures will minimize the handling of Non-RACM so that the integrity of the material is maintained.
Waste generated outside the boundaries of Texas that contains any Class 2 and 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any other special waste that is accepted at the facility	This waste will be handled in accordance with the provisions outlined above for the specific type of waste.

# SCS ENGINEERS

March 21, 2022 SCS Project No. 16219083

Mr. Steve Odil Municipal Solid Waste Permits Section Waste Permits Division (MC-126) Texas Commission on Environmental Quality 12100 Park 35 Circle, Bldg. F Austin, TX 78753

Re: Proposed Highway 24 Transfer Station – Hunt County, Texas Municipal Solid Waste - Permit Application No. 2411 Supplemental Submittal Response Tracking No. 26522173; RN111320396/CN605924968

Dear Mr. Odil:

On behalf of the Transfer Station Solutions, LLC, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) March 17, 2022 phone call, related to a permit application for the proposed Highway 24 Transfer Station, TCEQ Permit No. MSW-2411.

As discussed that revision is as follows:

"In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station, (2) noting the low potential for cultural resources and (3) a documented cultural resource located approximately 0.8 mile from the site. Consistent with THC protocol, this site has not been located on a map. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2."

The additional words in this revision are highlighted above.

Additionally, attached to this response letter, we have included one original and three (3) additional copies, for use as replacement pages in the permit application. We have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (March 2022) and a revision number on pages that have been revised as part of this response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

We trust that our responses will assist you in the completion of your technical review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Mr. Steve Odil March 21, 2022 Page 2

Sincerely,

Andrew Ard, E.I.T. Project Professional **SCS Engineers** TBPE Registration No. F-3407

Ryan Kuntz, P.E. Vice President/Satellite Office Manager SCS Engineers

Attachments: as described herein

cc: Mr. Josh Bray, Transfer Station Solutions Ms. Erin Gorman, Waste Section Manager – TCEQ Region 4 TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 3/21/2022

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal		
🗌 Initial Submittal	igtimes Notice of Deficiency (NOD) Response		
2. Authorization Type			
🛛 Permit			
3. Application Type			
New Permit Dermit Major Amendment Dermit Major Amendment (Limited Scope)			
New Registration			
4. Application Fees			
Amount         ⊠ \$2,050 for Permits and Permit Amendments       □ \$150 for Registrations         Payment Method       □ Check       ⊠ Online through ePay portal <https: epay="" www3.tceq.texas.gov=""></https:> If paid online, enter ePay Trace Number:       582EA000443364			
5. Application URL			
Is the application subm	nitted for a Type I Arid Exempt (AE) or Type IV AE facility?		
where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24- transfer-station-permit-application			

6. Application Publishing	
Party Responsible for Publishing Notice:	
Applicant Agent in Service Consultant	
Contact Name: Ryan Kuntz, P.E. Title: Vice President	
7. Alternative Language Notice	
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)	
8. Public Place Location of Application	
Name of the Public Place: Commerce Public Library	
Physical Address: 1210 Park Street	
City: Commerce County: Hunt State: TX Zip Code: 75428	
(Area code) Telephone Number: 903-886-6858	
9. Consolidated Permit Processing	
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?	
🗌 Yes 🛛 No 🗌 Not Applicable	
If "Yes", state the other TCEQ program authorizations requested:	
10. Confidential Documents	
Does the application contain confidential documents?	
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."	

		11. Permits and Construction Approvals		
Permit or Approval	Received	Pending	Not Applicable	
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$	
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$	
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$		
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$	
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$	
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$	
Dredge or Fill Permits under the CWA			$\boxtimes$	
Licenses under the Texas Radiation Control Act			$\boxtimes$	
Other (describe)				

#### **12.** General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)				
🗌 Туре I	🗌 Тур	e IV 🛛 Type V			
🗌 Туре I АЕ	🗌 Type IV AE	Type VI			
14. Activities Cor	nducted at the	Facility			
Storage					
15. Facility Waste Management Unit(s)					
Landfill Unit(s)		Incinerator(s)			
Class 1 Landfill	l Unit(s)	Autoclave(s)			
Process Tank(s	5)	Refrigeration Unit(s)			
Storage Tank(s	5)	Mobile Processing Unit(s)			
Tipping Floor	loor				
Storage Area		Compost Pile(s) and/or Vessel(s)			
Container(s)		Other (specify):			
Roll-off Boxes		Other (specify):			
Surface Impou	ndment	Other (specify) <b>transfer station</b>			
16. Description o	of Proposed Fac	cility or Changes to Existing Facility			
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an					
non-hazardous waste transfer station					
17. Facility Conta	act Information	n			
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC			
Customer Referen	ice No. (if issued	I)*: CN <b>605924968</b>			
Contact Name: Jo	osh Bray	Title: President			
Mailing Address: P.O. 6427					
City: Paris County: Lamar State: TX Zip Code: 75461					
(Area Code) Telephone Number: 903) 517-6268					
Email Address: joshbray@suddenlinkmail.com					
TX Secretary of State (SOS) Filing Number: 802693685					
*If the Site Operator ( (TCEQ-10400) and sub	*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.				
	Operator Name <sup>1</sup> : Same as Site Operator / Permittee				
---	--	--	---	--	--
	Customer Reference No. (if issued)*:				
	Contact Name:	Title	:		
	Mailing Address:				
	City: County:	State:	Zip Code:		
	(Area Code) Telephone Numbe	r:			
	Email Address:				
	TX SOS Filing Number:				
	<sup>1</sup> If the Operator is the same as Site Op *If the Operator does not have this nu this application. List the Operator as th <b>Consultant Name (if applica</b>	perator/Permittee t mber, complete a ne customer. ble): SCS Eng	ype "Same as "Site Operator (Permittee/Registrant)". TCEQ Core Data Form (TCEQ-10400) and submit it with <b>Jineers</b>		
	Texas Board of Professional Engineers Firm Registration Number: F-3407				
	Contact Name: Ryan Kuntz		Title: Vice President		
	Mailing Address: 1901 Centra	al Drive, Suite	2 550		
	City: Bedford County: Tarrar	nt State: TX	Zip Code: <b>76021</b>		
	(Area Code) Telephone Numbe	r: <b>(817) 571-</b>	2288		
	E-Mail Address: rkuntz@scser	ngineers.com			
	Agent in Service Name (reg	uired only for	out-of-state):		
	Mailing Address:				
	City: County:	State:	Zip Code:		
	(Area Code) Telephone Numbe	r:	•		
	E-Mail Address:				
	18. Facility Supervisor's License				
	Select the Type of License that Chapter 30, Occupational Licen facility operations.	the Solid Wast	te Facility Supervisor, as defined in 30 TAC rations, will obtain prior to commencing		
_	10. Our and the Child	<b>F</b> !!!!			
	.9. Ownership Status of the Facility				

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

TCEQ-0650, Part I Application (rev. 09-01-2019)

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Homeland Security

Contact Person's Name: Mr. Richard Hill

Street Address or P.O. Box: 2700 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4246

E-Mail Address (optional):

#### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A					
Contact Person's Name:					
Watershed Sub-Basin Name:					
Street Address or P.O. Box:					
City: County: State: Zip Code:					
(Area Code) Telephone Number:					
E-Mail Address (optional):					
Coastal Management Program Is the facility within the Coastal Management Program boundary?					
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK					
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.					
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?					
If "Yes", provide a copy of the ordinance or order as an attachment.					

#### Signature Page

I, Josh Bray

(Site Operator (Permittee/Registrant)'s Authorized Signatory)

<u>President,</u> (Title)

Date: 3-21-22

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing

violations. Sign

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

I, \_\_\_\_\_\_, hereby designate \_\_\_\_\_\_ (Print or Type Operator Name) (Print or Type Representative Name)

as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Printed or Typed Name of Operator or Principal Executive Officer

Signature	_
SUBSCRIBED AND SWORN to before me by the said 2052 Brand	
Hy commission expires on the <u>24</u> day of <u>inc</u> , 2023	
(Note: Application Must Bear Signature & Seal of Notary Public)	



TCEQ-0650, Part I Application (rev. 09-01-2019)

Form - Page 9 of 10

# **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those appl	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🛛 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

MARKED

M:\Projects\16219083.00\NODs\Tech NODs\03-17-22\L2022.03.21 TSS, MSW-2411, Technical NOD Response.docx

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | March 2022 Revision 5

Applicant's Ex. 1, p. 000260

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

**Table of Contents** 

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS



**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

2022 SCS ENGINEERS

**Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 <u>Revision 5: March 2022</u> SCS Project No. 16219083

### TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))
	1.5	Legal Authority (30 TAC §330.59(e))
	1.6	Evidence of Competency (30 TAC §330.59(f))
	1.7	Appointments (30 TAC §330.59(g))
	1.8	Application Fees (30 TAC §330.59(h))
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))TBPE Reg. # F-3407.1/II-3
2	FAC	LITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	ring conditions summaryI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water Wells
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport LocationsI/II-16 SCS Engineers
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station, and (2) noting the low potential for cultural resources, and (3) a documented cultural resource located approximately 0.8 mile from the site. Consistent with THC protocol, this site has not been located on a map. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### Miscellaneous Uses

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

#### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

#### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

## 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;

UNMARKED

M:\Projects\16219083.00\NODs\Tech NODs\03-17-22\L2022.03.21 TSS, MSW-2411, Technical NOD Response.docx

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | March 2022 Revision 5

Applicant's Ex. 1, p. 000268

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

**Table of Contents** 

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

ii

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS



**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

2022 SCS ENGINEERS

**Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 Revision 5: March 2022 SCS Project No. 16219083

#### TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUP	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))
	1.6	Evidence of Competency (30 TAC §330.59(f))
	1.7	Appointments (30 TAC §330.59(g))I/II-2
	1.8	Application Fees (30 TAC §330.59(h))
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))TBPE Reg. # F-3407.1/II-3
2	FACI	LITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	TING CONDITIONS SUMMARYI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site AccessI/II-14
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport LocationsI/II-16 SCS Engineers
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station, (2) noting the low potential for cultural resources, and (3) a documented cultural resource located approximately 0.8 mile from the site. Consistent with THC protocol, this site has not been located on a map. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### Miscellaneous Uses

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

## 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;

# SCS ENGINEERS

March 7, 2022 SCS Project No. 16219083

Mr. Steve Odil Municipal Solid Waste Permits Section Waste Permits Division (MC-126) Texas Commission on Environmental Quality 12100 Park 35 Circle, Bldg. F Austin, TX 78753

Re: Proposed Highway 24 Transfer Station – Hunt County, Texas Municipal Solid Waste - Permit Application No. 2411 Technical Notice of Deficiency Response Tracking No. 26522173; RN111320396/CN605924968

Dear Mr. Odil:

On behalf of the Transfer Station Solutions, LLC, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) March 2, 2022 phone call, related to a permit application for the proposed Highway 24 Transfer Station, TCEQ Permit No. MSW-2411.

For ease of review, we have included your original comments from the March 2, 2022 NOD phone call, followed by our responses and/or revisions in *bold/italics*.

 Page 5 of the Part I form indicates that an MSW Class A license will be held before commencing facility operations. Part IV-2 indicates that the transfer station manager will hold an MSW Class B license. Mr. Yard indicated that Mr. Bray currently holds a Class A license, but that if another manager is hired, at least a Class B license would be required. I suggested that Part IV indicate that Class A or B would be accepted, as this reflects rule language in 30 TAC 30.213(a) for Type V facilities.

#### Part IV – Site Operating Plan has been revised to indicate a class A or B license will be held by the Transfer Station Manager. See Page IV-2.

2. I noted that the cover letter clarifies that TxDOT is responsible for maintenance of State Highway 24, so coordination requirements do not apply to Hunt County, but the last sentence in Parts I/II, Section 3.2.1 indicates that "Coordination with TxDOT and Hunt County is included in Appendix I/II-A3." Mr. Yard will make clear that any correspondence with Hunt County is not to address coordination under 30 TAC 330.61(i)(4), related to coordination with the agency exercising maintenance responsibility of public roadways.

# Parts I/II has been revised to indicate only correspondence with TxDOT is included in Appendix I/II-A.3. See Page I/II-14.

3. Figure I/II-10 has been added to illustrate airport locations approximate to the proposed transfer station. I noted a typographical error on the scale. Mr. Yard indicated that this would be corrected

#### Figure I/II-10 has been revised to correct the typo on the figure's scale.

Mr. Steve Odil March 7, 2022 Page 2

4. We discussed information regarding Special Wastes. I noted that Parts I/II, page 5 lists 4 wastes but Part IV, including pages 5-6 and Table IV-1A, lists 5. Mr. Yard indicated that he would correct this inconsistency.

# Parts I/II has been revised to clarify the inconsistency related to Special Wastes. See Page I/II-6.

Also, in the course of our additional review of the application, we decided to make a change to Table I/II-3.1 on page I/II-10 and on Figure I/II-5. These changes are noted appropriately in the attachments.

Additionally, attached to this response letter, we have included one original and three (3) additional copies, for use as replacement pages in the permit application. Where possible, we have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (March 2022) and revision number (Revision 4) on pages that have been revised as part of this NOD response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

We trust that our responses will assist you in the completion of your technical review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Sincerely,

Andrew Ard, E.I.T. Project Professional **SCS Engineers** TBPE Registration No. F-3407

Attachments: as described herein

Ryan Kuntz, P.E. Vice President/Satellite Office Manager SCS Engineers

cc: Mr. Josh Bray, Transfer Station Solutions Ms. Erin Gorman, Waste Section Manager – TCEQ Region 4 TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 3/7/2022

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submittal					
🗌 Initial Submittal	$\boxtimes$ Notice of Deficiency (NOD) Response				
2. Authorization Type	2				
🛛 Permit	Registration				
3. Application Type					
🛛 New Permit 🗌 Pern	nit Major Amendment 🗌 Permit Major Amendment (Limited Scope)				
New Registration					
4. Application Fees					
Amount					
$\boxtimes$ \$2,050 for Permits	and Permit Amendments 🛛 🗍 \$150 for Registrations				
Payment Method					
🗌 Check 🛛 Online	Check Online through ePay portal <a href="https://www3.tceq.texas.gov/epay/">https://www3.tceq.texas.gov/epay/</a>				
If paid online, enter ePay Trace Number: <b>582EA000443364</b>					
5. Application URL					
Is the application submitted for a Type I Arid Exempt (AE) or Type IV AE facility?					
🗌 Yes 🛛 No					
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-					

6. Application Publishing				
Party Responsible for Publishing Notice:				
Applicant Agent in Service Consultant				
Contact Name: Ryan Kuntz, P.E. Title: Vice President				
7. Alternative Language Notice				
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)				
8. Public Place Location of Application				
Name of the Public Place: Commerce Public Library				
Physical Address: 1210 Park Street				
City: Commerce County: Hunt State: TX Zip Code: 75428				
(Area code) Telephone Number: 903-886-6858				
9. Consolidated Permit Processing				
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?				
□ Yes □ Not Applicable				
If "Yes", state the other TCEQ program authorizations requested:				
10. Confidential Documents				
Does the application contain confidential documents?				
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."				

11. Permits and Construction Approvals					
Permit or Approval	Received	Pending	Not Applicable		
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$		
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$		
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$			
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$		
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$		
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$		
Dredge or Fill Permits under the CWA			$\boxtimes$		
Licenses under the Texas Radiation Control Act			$\boxtimes$		
Other (describe)					
Other (describe)					
Other (describe)					
Other (describe)					

#### 12. General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)				
🗌 Туре I	🗌 Тур	e IV 🛛 Type V			
🗌 Туре I АЕ	🗌 Type IV AE	Type VI			
14. Activities Cor	nducted at the	Facility			
Storage Processing					
15. Facility Wast	e Management	: Unit(s)			
Landfill Unit(s)		Incinerator(s)			
Class 1 Landfill Unit(s)		] Autoclave(s)			
Process Tank(s)		Refrigeration Unit(s)			
Storage Tank(s)		Mobile Processing Unit(s)			
Tipping Floor		Type VI Demonstration Unit			
Storage Area		Compost Pile(s) and/or Vessel(s)			
Container(s)		Other (specify):			
Roll-off Boxes		Other (specify):			
Surface Impou	ndment	Other (specify) <b>transfer station</b>			
16. Description o	of Proposed Fac	cility or Changes to Existing Facility			
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an					
non-hazardous waste transfer station					
17. Facility Conta	act Information	n			
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC			
Customer Referen	ce No. (if issued	I)*: CN <b>605924968</b>			
Contact Name: Jo	osh Bray	Title: President			
Mailing Address:	Mailing Address: P.O. 6427				
City: Paris Count	ty: <b>Lamar</b> State	e: <b>TX</b> Zip Code: <b>75461</b>			
(Area Code) Telep	(Area Code) Telephone Number: 903) 517-6268				
Email Address: joshbray@suddenlinkmail.com					
TX Secretary of State (SOS) Filing Number: 802693685					
*If the Site Operator ( (TCEQ-10400) and sub	*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.				

	Operator Name <sup>1</sup> : Same as Site Operator / Permittee						
	Customer Reference No. (if issu	Customer Reference No. (if issued)*:					
	Contact Name:	Contact Name: Title:					
	Mailing Address:						
	City: County:	State:	Zip Code:				
	(Area Code) Telephone Number	r:					
	Email Address:						
	TX SOS Filing Number:	TX SOS Filing Number:					
	<sup>1</sup> If the Operator is the same as Site Operator/Permittee type "Same as "Site Operator (Permittee/Registrant)". *If the Operator does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Operator as the customer. <b>Consultant Name (if applicable): SCS Engineers</b>						
	Texas Board of Professional Engineers Firm Registration Number: F-3407						
	Contact Name: Ryan Kuntz		Title: Vice President				
	Mailing Address: 1901 Centra	al Drive, Suite	2 550				
	City: Bedford County: Tarrant State: TX Zip Code: 76021						
	(Area Code) Telephone Number: (817) 571-2288						
	E-Mail Address: rkuntz@scser	ngineers.com					
	Agent in Service Name (reg	uired only for	out-of-state):				
	Mailing Address:						
	City: County:	State:	Zip Code:				
	(Area Code) Telephone Number	r:	•				
	E-Mail Address:						
	18. Facility Supervisor's Lice	ense					
	Select the Type of License that the Solid Waste Facility Supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations, will obtain prior to commencing facility operations.						
10 Ownership Status of the Facility							
	19. Ownership Status of the	Facility					

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

TCEQ-0650, Part I Application (rev. 09-01-2019)

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Homeland Security

Contact Person's Name: Mr. Richard Hill

Street Address or P.O. Box: 2700 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4246

E-Mail Address (optional):

#### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A						
Contact Person's Name:						
Watershed Sub-Basin Name:						
Street Address or P.O. Box:						
City: County: State: Zip Code:						
(Area Code) Telephone Number:						
E-Mail Address (optional):						
Coastal Management Program Is the facility within the Coastal Management Program boundary?						
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK						
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.						
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?						
If "Yes", provide a copy of the ordinance or order as an attachment.						

#### Signature Page

I, Josh Bray President, (Site Operator (Permittee/Registrant)'s Authorized Signatory)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:

Date: March 72022

(Title)

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

I, \_ (Print or Type Operator Name)

\_\_\_\_\_, hereby designate \_\_\_\_\_ perator Name) (Print or Type Representative Name)

as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Printed or Typed Name of Operator or Principal Executive Officer

 Signature
SUBSCRIBED AND SWORN to before me by the said Josh Bray
My commission expires on the <u>A4th</u> day of <u>June</u> , <u>2023</u> Notary Public in and for
County, Texas (Note: Application Must Bear Signature & Seal of Notary Public)

NOTARY PUBLIC STATE OF TEXAS Lic# 128655882 Commission Expires 06/24/2023

Form - Page 9 of 10

# **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those apply	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🛛 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

MARKED

M:\Projects\16219083.00\NODs\Tech NODs\03-02-22 phone log\L2022.03.07 TSS, MSW-2411, Technical NOD Response.docx
# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | March 2022 Revision 4

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 <u>Revision 4: March 2022</u> SCS Project No. 16219083



## TABLE OF CONTENTS

SEC	TIO	PAGE	2
I.	SUPI	LEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1	
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1	
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1	ĺ
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1	i
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1	i
	1.4	Easements (30 TAC §330.61(c)(10))I/II-2	2
	1.5	Legal Authority (30 TAC §330.59(e))I/II-2	2
	1.6	Evidence of Competency (30 TAC §330.59(f))	2
	1.7	Appointments (30 TAC §330.59(g))I/II-2	2
	1.8	Application Fees (30 TAC §330.59(h))	2
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2	2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))TBPE Reg. # F-34071/II-3	3
2	FAC	.ITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5	5
	2.1	Proposed PermitI/II-5	5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5	5
		2.2.1 Waste Types and Generation AreasI/II-5	5
		2.2.2 Projected Waste Acceptance RateI/II-8	3
		2.2.3 Population EquivalentI/II-8	3
		2.2.4 Waste Storage and DisposalI/II-8	3
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9	>
3	EXIS	ING CONDITIONS SUMMARYI/II-10	)
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10	)
		3.1.1 Zoning	)

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site 1/11-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site AccessI/II-14
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence TBPE Reg. # F-3407. 1/II-16
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

## TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List



- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - O Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
  - Waste generated outside the boundaries of Texas that contains any Class 2 and 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities; or any other special waste that is accepted at the facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).

• Class 3 Wastes - Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - Slaughterhouse wastes
  - Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.

- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

## 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year ÷ 0.78 tons/person/year
	= 400,000 persons

## 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of

God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ, such as the Blossom Prairie Landfill (TCEQ Permit No. 2358). Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter has been sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter has also been sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence are included in Part I/II, Appendix I/II-A.1. As noted in the November 10, 2021 letter from the NCTCOG, "...the Resource Conservation Council (RCC) found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan…"



# 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

## 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

### 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

## 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in Acres)	Percentage of Total Area
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	<del>126.9</del> <u>158.5</u>	<u>5.46.8</u>
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	<del>1397.5<u>1365.9</u></del>	<del>59.8</del> <u>58.4</u>
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

### 3.1.3 Population and Community Growth Trends

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

• documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

## 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24. An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will include two 12-foot inbound lanes, and a single 15-foot outbound lane, and will be an all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

As confirmed with TxDOT, the maximum legal weight limit for SH 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.

Coordination Correspondence with TxDOT and Hunt County is included in Appendix I/II-A.3.

## 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count

# **FIGURES**











#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

2022 SCS ENGINEERS

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 <u>Revision 4: March 2022</u> SCS Project No. 16219083



# **TABLE OF CONTENTS**

<u>SECTI</u>	<u>0N</u>			PAGE
1	INTR	ODUCT	[ION	IV-1
	1.1	Gener	ral Facility Design	IV-1
	1.2	Gener	ral Facility Operation	IV-1
	1.3	Gener	ral Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	IV-2
		1.3.2	Equipment Operators	IV-2
		1.3.3	Gate Attendants	IV-3
		1.3.4	Laborers	II
	1.4	Gener	ral Facility Equipment	1V-3
		1.4.1	Equipment for Emergencies	s. # F-3407।∨-4
2	WA	STE ACO	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	e Sources and Characteristics	IV-5
	2.2	Measu	ures for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	e Acceptance Rate	IV-9
	2.4	Waste	e Storage and Processing Time	IV-10
	2.5	Waste	ə Disposal	IV-10
	2.6	Waste	e and Effluent Testing	IV-10
3	FAC	ility - C	GENERATED WASTES (30 TAC §330.205)	IV-11
4	COM		IATED WATER MANAGEMENT (30 TAC §330.207)	IV-12
5	STORAGE REQUIREMENTS (30 TAC §330.209)IV-13			
6	APP	ROVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	zen's c	OLLECTION STATION (30 TAC §330.213)	IV-15
8	REQ	UIREME	NTS FOR STATIONARY COMPACTORS (30 TAC §330.215)	IV-16
Povis	ion	1	IV i	SCS ENGINEERS

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site SecurityIV-22
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

28	SALVAGING AND SCAVENGINGIV-3	9
29	HANDLING OF INDUSTRIAL WASTESIV-4	0
30	FACILITY INSPECTION AND MAINTENANCEIV-4	1

### TABLES

IV-1 Sumn	nary of	Personnel
-----------	---------	-----------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### **APPENDICES**

Appendix IV-1 Waste Acceptance Plan

SCS Engineers TBPE Reg. # F-3407



equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

## 1.3 GENERAL FACILITY PERSONNEL

## 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class <u>A or B</u> license, as defined in 30 TAC §30.210.

### 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of

UNMARKED

M:\Projects\16219083.00\NODs\Tech NODs\03-02-22 phone log\L2022.03.07 TSS, MSW-2411, Technical NOD Response.docx

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | March 2022 Revision 4

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

**Table of Contents** 

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 SCS Project No. 16219083



## TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))I/II-2
	1.6	Evidence of Competency (30 TAC §330.59(f))
	1.7	Appointments (30 TAC §330.59(g))I/II-2
	1.8	Application Fees (30 TAC §330.59(h))
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7)) <b>TBPE Reg.</b> # F-34071/II-3
2	FAC	LITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	TING CONDITIONS SUMMARYI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site AccessI/II-14
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

## TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
  - Waste generated outside the boundaries of Texas that contains any Class 2 and 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities; or any other special waste that is accepted at the facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).

• Class 3 Wastes - Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - Slaughterhouse wastes
  - Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.

- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

## 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year ÷ 0.78 tons/person/year
	= 400,000 persons

## 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of

God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ, such as the Blossom Prairie Landfill (TCEQ Permit No. 2358). Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter has been sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter has also been sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence are included in Part I/II, Appendix I/II-A.1. As noted in the November 10, 2021 letter from the NCTCOG, "...the Resource Conservation Council (RCC) found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan…"

# 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

## 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

### 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

## 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in Acres)	Percentage of Total Area
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	158.5	6.8
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1365.9	58.4
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

### 3.1.3 **Population and Community Growth Trends**

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

• documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

## 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24. An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will include two 12-foot inbound lanes, and a single 15-foot outbound lane, and will be an all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

As confirmed with TxDOT, the maximum legal weight limit for SH 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.

Correspondence with TxDOT is included in Appendix I/II-A.3.

## 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count

# **FIGURES**








### **TYPE V TRANSFER STATION PERMIT APPLICATION**

### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART IV - SITE OPERATING PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

*3/7/2022* SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407

> Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 Revision 4: March 2022 SCS Project No. 16219083



# **TABLE OF CONTENTS**

<u>SECTION</u>	<u> 2N</u>			<u>PAGE</u>
1	INTR	ODUCT	[ION	IV-1
	1.1	Gener	IV-1	
	1.2	Gener	al Facility Operation	IV-1
	1.3	Gener	al Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	IV-2
		1.3.2	Equipment Operators	IV-2
		1.3.3	Gate Attendants	IV-3
		1.3.4	Laborers	IV-3
	1.4	Gener	al Facility Equipment	IV-3
		1.4.1	Equipment for Emergencies	<b>F-3407</b> IV-4
2	WA	STE ACC	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	e Sources and Characteristics	IV-5
	2.2	Measu	ures for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	e Acceptance Rate	IV-9
	2.4	Waste	e Storage and Processing Time	IV-10
	2.5	Waste	e Disposal	IV-10
	2.6	Waste	e and Effluent Testing	IV-10
3	FAC	ILITY - C	GENERATED WASTES (30 TAC §330.205)	IV-11
4	CON		ATED WATER MANAGEMENT (30 TAC §330.207)	IV-12
5	STO	RAGE R	REQUIREMENTS (30 TAC §330.209)	IV-13
6	APP	ROVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	ZEN'S C	OLLECTION STATION (30 TAC §330.213)	IV-15
8	REQ	UIREME	NTS FOR STATIONARY COMPACTORS (30 TAC §330.215)	IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site SecurityIV-22
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

### APPENDICES

Appendix IV-1 Waste Acceptance Plan

SCS Engineers TBPE Reg. # F-3407 equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

# 1.3 GENERAL FACILITY PERSONNEL

### 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class A or B license, as defined in 30 TAC §30.210.

### 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of

# SCS ENGINEERS

February 17, 2022 SCS Project No. 16219083

Mr. Steve Odil Municipal Solid Waste Permits Section Waste Permits Division (MC-126) Texas Commission on Environmental Quality 12100 Park 35 Circle, Bldg. F Austin, TX 78753

Re: Proposed Highway 24 Transfer Station – Hunt County, Texas Municipal Solid Waste - Permit Application No. 2411 Technical Notice of Deficiency Response Tracking No. 26522173; RN111320396/CN605924968

Dear Mr. Odil:

On behalf of the Transfer Station Solutions, LLC, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) December 28, 2021 Technical Noticeof-Deficiency (NOD) letter, related to a permit application for the proposed Highway 24 Transfer Station, TCEQ Permit No. MSW-2411.

For ease of review, we have attached to this response letter your original comment table from your December 28, 2021 NOD letter with the response location and response statements provided in separate columns in the table.

Additionally, attached to this response letter, we have included one original and three (3) additional copies, for use as replacement pages in the permit application. Where possible, we have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (February 2022) and revision number (Revision 3) on pages that have been revised as part of this NOD response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

We trust that our responses will assist you in the completion of your technical review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Sincerely,

Andrew Ard, E.I.T. Project Professional **SCS Engineers** TBPE Registration No. F-3407

Ryan Kuntz, P.E. Vice President/Satellite Office Manager SCS Engineers

Mr. Steve Odil February 17, 2022 Page 2

#### Attachments: as described herein

cc: Mr. Josh Bray, Transfer Station Solutions Ms. Erin Gorman, Waste Section Manager – TCEQ Region 4

M:\Projects\16219083.00\NODs\Tech NODs\12-28-21\L2022.02.17 TSS, MSW-2411, Technical NOD Response.docx

NOTICE-OF-DEFICIENCY RESPONSE TABLE

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	2nd NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T1	96	Part I	330.59(f)(1)		Incomplete	The application must include all facilities owned or operated in Texas by Transfer Stations Solutions.	Evidence of Competency, Part I/II, Section 1.6	Transfer Station Solutions does not currently own or operate any other facilities inside of Texas.
T2	97	Part I	330.59(f)(2)		Omitted	The application must include all facilities owned or operated outside of Texas by Transfer Stations Solutions. If there are none, state that.	Evidence of Competency, Part I/II, Section 1.6	Transfer Station Solutions does not currently own or operate any other facilities outside of Texas.
T3	98	Part I	330.59(f)(3)		Incomplete	The application now indicates that Mr. Bray will serve as the licensed supervisor or one will be employed. If Mr. Bray acts in this position, he must be employed at the proposed facility. Note that a transfer station must employ an individual licensed with an A or B license.	Part I/II Documentati on, Evidence of Competency( Appendix, Documenta- tion)	Josh Bray will be an employee at the facility if he is serving as the facility's licensed supervisor.

$\mathbf{ID}^{1}$	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	2nd NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T4	124	Part II	330.61(b)(1)	Section 2.2	Incorrect	As noted in Parts I/II, Section 2.2.1, 1,500 mg/kg TPH is a limiting parameter for waste, so delete the second sentence in the first paragraph in this section. Other examples of limitations also apply, such as the presence of free liquid, regulated hazardous waste, or radioactive materials. Review WAP Form for Type I landfills for suggestions. Appendix IV-1 does not provide this information. Provide limiting parameter information in Parts I/II of the application.	Parts I/II, Section 2.2.1, and Part IV, Section 2.1	<ul> <li>The suggested sentence has been deleted. Also, please note the following:</li> <li>Free liquids are addressed in Parts I/II on p. I/II-8 and in Appendix IV-1 on p. IV-1-2.</li> <li>Regulated hazardous wastes, PCB wastes, radioactive wastes, and Class 1 solid wastes as well other excluded wastes are addressed in Parts I/II on p. I/II-7 and in Appendix IV-1 on p. IV-1-1 &amp; 2.</li> <li>Also, we have reviewed TCEQ's WAP Form for Type I landfills and found no other pertinent waste constituents or characteristics that could be limiting parameters that may impact the design or operation of the facility other than the types or classification of waste not accepted at the transfer station.</li> <li>Furthermore, to further clarify this matter, we have revised the third sentence of Section 2.2.1 (page I/II-5) and the cross-reference to Appendix IV-1 in Parts I/II (p. I/II-5 and I/II-7) and Part IV, Section 2.1 regarding references to procedures for coordinating with the landfill receiving any special wastes from the transfer station.</li> </ul>
T5	134	Part II	330.61(h)(3)	section 3.1.3 and 3.1.4	Incomplete	Provide information about growth trend within five miles of the facility with directions of major development. This rule does not require plats of development and there is no exemption from this requirement in the absence of applicable plats.	Parts 1/II, Section 3.1.4	To supplement the information provided through communications with Hunt County, Section 3.1.4 was revised to indicate a ground survey conducted of the area did not reveal any growth trends or direction of major development within five miles of the proposed transfer station.

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	2nd NOD Type³	NOD Description	Response Location	Response
<b>T6</b>	141	Part II	330.61(i)(4)	Appendix I/II-A.3	Incomplete	Provide coordination information with TxDOT to demonstrate that access roads within one mile of the proposed facility, both existing and expected, will be adequate during the expected life of the facility. Provide coordination with Hunt County, which you've indicated is the agency responsible for exercising maintenance of the public roadway involved.	Parts I/II, Sections 3.2.1 and 3.2.2	In the Supplemental report and on the Part I Application Form (Section 20), we state that SH 24 is maintained by TxDOT. Based on our communications with TxDOT's Greenville office, we have confirmed that TxDOT is responsible for maintaining SR 24, the access road for this facility. In Section 3.2.1 of Parts I/II, we added the following: "Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24." In Section 3.2.2, we added a paragraph which demonstrates that the capacity of SH 24 is more than adequate for the total projected traffic volumes during the expected life of the facility. During a phone conversation with TxDOT's Area Engineer in TxDOT's Greenville office, we confirmed that (1) the maximum legal weight limit for SH 24 is 80,000 pounds and (2) TxDOT is the agency responsible for maintaining SH 24. As such, we deleted the reference to Hunt County in section 3.2.1., since TxDOT is the agency responsible for SH 24. The vehicles using this transfer station will comply this limit. We have added these clarifications to Section 3.2.1.
Τ7	178	Part II	330.61(c)(8)	NA	Omitted	We concur that §330.545 makes clear that concerns over aircraft safety in Chapter 330 only apply to landfills; however, §330.61(c)(8) requires a map to illustrate airports within 6 miles of transfer stations. An FAA map is an appropriate way to illustrate them, or their absence. Provide a map to illustrate airport locations.	Figure I/II-10	Figure I/II-10 has been added to illustrate the absence of airports within a 6-mile radius of the Transfer Station.

February 2022

11	$\mathbf{D}^{1}$ $\mathbf{MRI}$ $\mathbf{ID}^{1}$	App. Part	Citation	Location <sup>2</sup>	2nd NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T	<b>3</b> 229	Part II	330.543(a)	Yes	Omitted	Provide an acknowledgement that no solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.	Parts I/II, Section 2.2.4, Part III, Section 4.3, and Part IV, Section 5.0.	An acknowledgement that no solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way has been added.
T	275	Part III	330.63(b)(2)( D)	Section 2.2.4 and Drawings III- 1.4, III-1.5, III-1.7, and III-1.8	Incomplete	Explain how you will be able to manage odors, health hazards, other nuisances, and windblown waste, as required, with two open walls.	Part I/II, Section 2, Part III, Section 2.2.4, and other places in the Application, including drawings, have been revised to delete reference to a two-sided building.	The facility design has been revised to assist in the management of odors, windblown waste and other nuisances as needed. See revised Figures III-1.1 through III-1.6.
Т	10 744	Part III	330.505(a)(2) (B)-(C)	Attachment 3, Section 2.0	Ambiguous	The closure cost estimate now includes a line for contaminated water disposal. Explain whether \$400 cost for disposal of 20,000 gallons of contaminated water includes transportation to an authorized facility.	Part III, Attachment 3, Appendix III-3A	Additional calculations showing the rationale for contaminated water disposal cost, including transportation to an authorized facility, have been added.
T	1 989	Part IV	330.203(a)	Section 2.1	Comment Only	Explain how authorized special wastes would be managed to ensure that receiving disposal facilities will be able to manage in accordance with §330.171.	Part I/II, Section 2.2.1, Part IV, Section 2.1, Part IV, Appendix IV- 1, Section 2	Procedures describing how authorized special wastes would be managed to ensure that receiving landfills will manage wastes from the transfer station in accordance with §330.171 are described in Section 2 of Part IV, Appendix IV-1 - Waste Acceptance Plan of the prior submittals. Consistent with response to Comment T4, we added a cross-reference to Appendix IV-1 in Parts I/II, Section 2.2.1 (p. I/II-5 and I/II-7) and Part IV, Section 2.1 regarding procedures for coordinating with the landfill receiving any special wastes from the transfer station.

App. Part

Part

IV

Citation

330.203(b)

MRI ID<sup>1</sup>

 $\mathbf{ID}^{1}$ 

**T12** 990

T13	1027	Part IV	330.211	Section 6.0 (possibly meant Section 5 or 21?)	Incomplete	For overnight storage of food waste, strike language that would authorize covering waste with a tarp on the tipping floor.	N/A	A brief description of the general sources and generation areas contributing wastes to the facility and an estimate of the population equivalent served by the facility are included in Section 2.2.1 of Parts I/II. Percentages of daily incoming waste are provided in Section 2.3 of Part IV, SOP. In Section 3, we added a clarification regarding the destination of solids and liquids generated by the facility. As discussed, it is understood that the revision of the facility design has resolved this NOD comment. See revised Figures III-1.1 through III-1.6.
T14	1052	Part IV	330.221(a)	Section 11.0	Incomplete	Provide booster pump design specifications and calculations to ensure that water under pressure can reach to far corner (~230 feet) of the tipping floor.	Part IV, Section 11	Additional specifications for the booster pump have been provided.

ID <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	2nd NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T15	1080	Part IV	330.239	Section 20.0	Incomplete	Provide an explanation of how the proposed building design will minimize noise pollution.	Part I/II, Section 2, Part III, Section 2.2.4, and other places in the Application, including drawings, have been revised to delete reference to a two-sided building.	The revised facility design will assist in minimizing noise pollution. See revised Figures III-1.1 through III-1.6.
T16	1093	Part IV	330.245(f)(1) - (4)	Section 23.0	Incomplete	Subsection §330.245(f) requires one or more measures listed in (1) through (4). Explain how this is being addressed with consideration to additional buffer zones, as noted under §330.245(f)(2).	N/A	As noted above, the facility design has been revised. See revised Figures III- 1.1 through III-1.6. In addition, as noted in Section 23, various measures will be employed to prevent and control potential odors being generated and migrating off site. Consistent with 330.245(f)(2), consideration has been given to additional buffer zones. However, in view of our experience and the proposed design and operating practices, additional buffer zones (beyond the 50 feet, as proposed) were deemed unnecessary.

<sup>1</sup>Deficiency ID – Key: A#=Administrative deficiency (ex. A12); T#=Technical deficiency (ex. T10); C#=Comment only (ex. C1); Number in parenthesis (*n*) = *n*th instance of same deficiency (ex. T1(2) is the second instance of deficiency T1 originally identified in previous NOD).

<sup>2</sup>Location of deficiency in submittal/application. Items in square brackets [] refer to applicant's supplemental information submitted as attachments to the application form. <sup>3</sup>Possible Error Types, one of: Ambiguous, Incomplete, Inconsistent, Incorrect, Omitted, Typo, or Wrong Format. TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)

M:\Projects\16219083.00\NODs\Tech NODs\12-28-21\L2022.02.17 TSS, MSW-2411, Technical NOD Response.docx

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 2/17/2022

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal						
Initial Submittal Notice of Deficiency (NOD) Response							
2. Authorization Type							
🛛 Permit							
3. Application Type							
🛛 New Permit 🗌 Permit Major Amendment 🗌 Permit Major Amendment (Limited Scope)							
New Registration							
4. Application Fees							
Amount							
🛛 \$2,050 for Permits a	and Permit Amendments 🛛 🗌 \$150 for Registrations						
Payment Method							
🗌 Check 🛛 Online	through ePay portal <https: epay="" www3.tceq.texas.gov=""></https:>						
If paid online, enter eP	ay Trace Number: <b>582EA000443364</b>						
5. Application URL							
Is the application subm	itted for a Type I Arid Exempt (AE) or Type IV AE facility?						
🗌 Yes 🛛 No	☐ Yes						
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-							

6. Application Publishing				
Party Responsible for Publishing Notice:				
Applicant Agent in Service Consultant				
Contact Name: Ryan Kuntz, P.E. Title: Vice President				
7. Alternative Language Notice				
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste) Yes Xo				
8. Public Place Location of Application				
Name of the Public Place: Commerce Public Library				
Physical Address: 1210 Park Street				
City: Commerce County: Hunt State: TX Zip Code: 75428				
(Area code) Telephone Number: 903-886-6858				
9. Consolidated Permit Processing				
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?				
□ Yes □ Not Applicable				
If "Yes", state the other TCEQ program authorizations requested:				
10. Confidential Documents				
Does the application contain confidential documents?				
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."				

11. Permits and Construction Approvals			
Permit or Approval	Received	Pending	Not Applicable
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$	
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$
Dredge or Fill Permits under the CWA			$\boxtimes$
Licenses under the Texas Radiation Control Act			$\boxtimes$
Other (describe)			

### **12.** General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)		
🗌 Туре I	🗌 Тур	e IV 🛛 Type V	
🗌 Туре I АЕ	🗌 Type IV AE	Type VI	
14. Activities Cor	nducted at the	Facility	
Storage	Processing		
15. Facility Wast	e Management	: Unit(s)	
Landfill Unit(s)		Incinerator(s)	
Class 1 Landfill	l Unit(s)	Autoclave(s)	
Process Tank(s	5)	Refrigeration Unit(s)	
Storage Tank(s	5)	Mobile Processing Unit(s)	
Tipping Floor		Type VI Demonstration Unit	
Storage Area		Compost Pile(s) and/or Vessel(s)	
Container(s)		Other (specify):	
Roll-off Boxes		Other (specify):	
Surface Impou	ndment	Other (specify) <b>transfer station</b>	
16. Description o	of Proposed Fac	cility or Changes to Existing Facility	
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an			
non-hazardous waste transfer station			
17. Facility Conta	act Information	n	
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC	
Customer Referen	ce No. (if issued	I)*: CN <b>605924968</b>	
Contact Name: Jo	osh Bray	Title: President	
Mailing Address:	P.O. 6427		
City: Paris Count	City: Paris County: Lamar State: TX Zip Code: 75461		
(Area Code) Telephone Number: 903) 517-6268			
Email Address: joshbray@suddenlinkmail.com			
TX Secretary of State (SOS) Filing Number: 802693685			
*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.			

	Operator Name <sup>1</sup> : Same as Site Operator / Permittee			
	Customer Reference No. (if issued)*:			
Contact Name: Title		Title	:	
	Mailing Address:			
	City: County:	State:	Zip Code:	
	(Area Code) Telephone Numbe	r:		
	Email Address:			
	TX SOS Filing Number:			
	<sup>1</sup> If the Operator is the same as Site Op *If the Operator does not have this nu this application. List the Operator as th <b>Consultant Name (if applica</b>	perator/Permittee t mber, complete a ne customer. ble): SCS Eng	ype "Same as "Site Operator (Permittee/Registrant)". TCEQ Core Data Form (TCEQ-10400) and submit it with <b>Jineers</b>	
	Texas Board of Professional En	gineers Firm R	egistration Number: F-3407	
	Contact Name: Ryan Kuntz		Title: Vice President	
	Mailing Address: 1901 Centra	al Drive, Suite	2 550	
	City: Bedford County: Tarrar	nt State: TX	Zip Code: <b>76021</b>	
	(Area Code) Telephone Number: (817) 571-2288			
	E-Mail Address: rkuntz@scsengineers.com			
Agent in Service Name (required only for out-of-state)				
	Mailing Address:			
	City: County:	State:	Zip Code:	
	(Area Code) Telephone Number:			
	E-Mail Address:			
	18. Facility Supervisor's Lice	ense		
	Select the Type of License that the Solid Waste Facility Supervisor, as defined in 30 TAC Chapter 30, Occupational Licenses and Registrations, will obtain prior to commencing facility operations.			
10 Oursership Status of the Facility				
	19. Ownership Status of the	Facility		

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

### 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

TCEQ-0650, Part I Application (rev. 09-01-2019)

### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Homeland Security

Contact Person's Name: Mr. Richard Hill

Street Address or P.O. Box: 2700 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4246

E-Mail Address (optional):

### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A			
Contact Person's Name:			
Watershed Sub-Basin Name:			
Street Address or P.O. Box:			
City: County: State: Zip Code:			
(Area Code) Telephone Number:			
E-Mail Address (optional):			
Coastal Management Program Is the facility within the Coastal Management Program boundary?			
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK			
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.			
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?			
If "Yes", provide a copy of the ordinance or order as an attachment.			

# Signature Page

I, <u>Josh Bray</u> (Site Operator (Permittee/Registrant)'s Authorized Signatory)	President, (Title)		
certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing			
Signature for Bray	Date: 2-17-22		
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED REPRESENTATIVE FOR THE OPERATOR	) BY AN AUTHORIZED		
I,, hereby designate (Print or Type Operator Name) (Print or Type Representa	 tive Name)		
as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.			
Signature			
SUBSCRIBED AND SWORN to before me by the said Josh Brac On this 17 day of Feb, 2022	<u>1</u>		
My commission expires on the <u>24</u> day of <u>June</u> , <u>2023</u> <u>Am Ablac</u> Notary Public in and for <u>Lamar</u> County, Texas (Note: Application Must Bear Signature & Seal of Notary Public)			



Form - Page 9 of 10

# **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those apply	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🖾 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

MARKED

M:\Projects\16219083.00\NODs\Tech NODs\12-28-21\L2022.02.17 TSS, MSW-2411, Technical NOD Response.docx

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | February 2022 Revision 3

Applicant's Ex. 1, p. 000351

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



### **TYPE V TRANSFER STATION PERMIT APPLICATION**

### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PARTS I/II GENERAL APPLICATION REQUIREMENTS

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 <u>Revision 3: February 2022</u> SCS Project No. 16219083



Applicant's Ex. 1, p. 000353

### TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))
	1.6	Evidence of Competency (30 TAC §330.59(f)
	1.7	Appointments (30 TAC §330.59(g))I/II-2
	1.8	Application Fees (30 TAC §330.59(h))
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))TBPE Reg. # F-3407.1/II-3
2	FAC	LITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	TING CONDITIONS SUMMARYI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	portation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes.
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	pecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List







SCS Engineers TBPE Reg. # F-3407 Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

### 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

# 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions. No person or entity other than Transfer Station Solutions will own more than 20% of the transfer station; Josh Bray is the sole owner and the only principal of Transfer Station Solutions. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

## 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II. <u>Transfer Station Solutions does not currently own or operate any other facilities in any state,</u> <u>territory or country.</u>

## 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

## 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC 330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to

this permit application will also be posted at the same location. This internet posting is for informational purposes only.

In accordance with 30 TAC \$330.57(i)(3), the owner or operator will post notice signs at the site within 30 days of the executive director's receipt of this application. The sign posting is for informational purposes only. The signs will:

- Have a white background and be no smaller than four feet by four feet
- Consist of dark lettering, with letters at least three inches in height and block printed capital lettering
- Identify, as appropriate, that the application is for a proposed facility
- Include the words "For further information on how the public may participate in Texas Commission on Environmental Quality (TCEQ) permitting matters, contact TCEQ," the toll free telephone number for the Office of Public Assistance, and the agency's Web site address
- Include the name and address of the owner or operator
- Include the telephone number of the owner or operator
- Remain in place and legible until the close of the final comment period

As applicable, signs will be located within ten feet of every property line bordering State Highway 24 (SH 24). The signs will be visible from the street and spaced at not more than 1,500-foot intervals. As such, a minimum of one sign, but no more than three signs, will be placed along SH 24.

# 1.10 REQUIRED PERMITS/AUTHORIZATIONS (30 TAC §305.45(a)(7))

In accordance with 30 TAC §305.45(a)(7), the required permits and authorizations for the facility are summarized below in Table I/II-1.1.

Permit/Authorization Status	Program
N/A	Hazardous Waste Management program under the Texas Solid Waste Disposal Act
N/A	Underground Injection Control (UIC) program under the Texas Injection Well Act
N/A	National Pollution Discharge Elimination Systems (NPDES) program under the Federal Clean Water Act (CWA) and Waste Discharge program under the Texas Water Code, Chapter 26
N/A	Prevention of Significant Deterioration (PSD) Program under the Federal Clean Air Act
N/A	Nonattainment Program under the Clean Air Act

N/A	National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act
N/A	Ocean dumping permits under the Marine Protection Research and Sanctuaries Act
N/A	Dredge and fill permits under the Federal Clean Water Act
N/A	Licenses under the Texas Radiation Control Act
RQD	NPDES Stormwater Pollution Control §402 Permit
N/A	U.S. Army Corps of Engineers Dredge and Fill Permit §404
N/A	Subsurface area drip dispersal system permits under the Texas Water Code, Chapter 32
RQD (see note 1 below)	TCEQ Air Quality Permit or Registration

Notes: N/A = Not Applicable REC = Received

RQD = RequiredAPP = Applied For

1. Standard Air Permit for MSW Transfer Stations (30 TAC § 330.981 et seq.).

# 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). To promote efficient traffic flow the building will be open on two sides. The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior walls/panels-on two sides, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

# 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

### 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Based on the following list of acceptable wastes, there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility. Therefore, tThe parameter limitations, as required by §330.203(a), are not applicable to this facility are described below and in Section 2 of Part IV, Appendix IV-1 – Waste Acceptance Plan.

The transfer station is planned to serve primarily Hunt County and surrounding communities and counties.
Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).

• Class 3 Wastes - Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - Slaughterhouse wastes
  - Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.

- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

## 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

## 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year ÷ 0.78 tons/person/year
	= 400,000 persons

# 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of

God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ, such as the Blossom Prairie Landfill (TCEQ Permit No. 2358). Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter is has being been sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter is has also being been sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence are is included in Part I/II, Appendix I/II-A.1. As noted in the November 10, 2021 letter from the NCTCOG, "...the Resource Conservation Council (RCC) found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan..."

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

## 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

## Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

In communications with Hunt County, it was confirmed that there have not been any plats for developments within five miles of the transfer station, as of November 2021. <u>Furthermore, a ground survey of the area did not reveal any growth trends or direction of major development within five miles of the proposed transfer station.</u>

# 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

# Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

<u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

## **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### <u>Cemeteries</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

## <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

## <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

## Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

## Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### Miscellaneous Uses

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

## 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

## 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

# 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;
- documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and

exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

## 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24. An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will be include a two 3012-foot inbound lanes, and a single 15-foot outbound two- lane, and will be an all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT and Hunt County, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

As confirmed with TxDOT, the maximum legal weight limit for SH 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

# 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

#### Table I/II-3.3: Existing and Future Traffic Volumes for State Highway 24

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

Future traffic projections are based on an average annual growth rate for Hunt County of 0.64%. The projected traffic volumes on SH 24 for 2050 were calculated as 12,623 vehicles per day within one mile of the facility. The maximum projected traffic generated by the facility (174 vehicles per day) represents 1.38% of the traffic on SH 24 (see Section 3.2.3 below). As per guidelines provided in Highway Capacity Manual, Transportation Research Board, Washington DC, Report #209, the capacity of SH 24 is approximate 57,600 vehicles per day in one directional traffic flow for two lanes of traffic at Level of Service (LOS) B. Hence, the capacity of SH 24 is more than adequate for the total projected traffic volumes during the expected life of the facility.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
	At Initial Waste Acceptance	At Max Waste Acceptance	
Vehicle Type	Rate (400 tons/day)	Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small	10	20	
vehicles			
Transfer Station Operators'	2	4	
Personal Vehicles			
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

 Table I/II-3.4: Facility Generated Traffic

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. There is a gross vehicle weight limit of 80,000 pounds for SH24. Based on the

findings of this traffic study and communications with TxDOT, there are no other existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

## 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

## 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

## 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

## 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

# 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019):

Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

# 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

# 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

## References:

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

## 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

# 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

## 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

## 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the permit area does not include any of the characteristics of a wetland and is not within a wetland. Consistent with §330.553(b)(2), the facility will not cause or contribute to violations of any applicable water quality standard, violate any applicable toxic effluent standard or prohibition under the Clean Water Act, jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary.

A copy of IES's study report is included in Appendix I/II-B.

# 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks, or natural/managed areas within the survey area ... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species." In view of the above, consistent with §330.551 and §330.61(n), operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

# 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

## EVIDENCE OF COMPETANCY

# Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017 and maintains this license to-date. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree. Either Mr. Bray will serve as the licensed solid waste facility supervisor, acting as president and an employee of TSS, or Transfer Station Solutions will hire a facility supervisor with the required credentials.

Josh Bray holds a minor, non-controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operations today. <u>Transfer Station Solutions, LLC does not currently own or operate any other facilities inside or outside of Texas.</u>

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	County	TCEQ Permit or Registration No.	Dates of Operation under Mr. Bray's Management
Fannin Transfer Station	Fannin	40290	7/17/17 -6/1/19
Canton Transfer Station	Van Zandt	40266	4/24/13 - 6/1/19
Pittsburg Transfer Station	Camp	40174	3/12/14 - 6/1/19
Blossom Prairie Type I Landfill	Lamar	2358	10/13/09 - 6/1/2019

# **FIGURES**



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### **HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411** HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for:** 

**Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461

17/2022 **SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



**Prepared by:** 

		TABLE OF CONTENTS
SEC	ΓΙΟΝ	PAGE
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2) III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F) III- <u>3</u> 4
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-5
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-6
		2.3.3 Protection of Endangered Species §330.63(b)(5)III-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	STE MANAGEMENT UNIT DESIGN §330.63(d)(1)
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J)III-10

#### **ATTACHMENTS**

- 1 General Facility Design Plan
- 2 Closure Plan



SCS Engineers TBPE Reg. # F-3407 Gates are also located on the north and east permit boundaries to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules. As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

Also, as indicated on Figure III-1.4, 30-foot long segments of six-foot chain-link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

# 2.2 WASTE MOVEMENT §330.63(B)(2)

# 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

# 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

# 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building, which is open on two sides, will provide ample adequate passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels/walls on two sides (including vehicle access doors on the north and south sides), and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with has an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

The two-sided, single-level building structure allows for more efficient flow of both the collection trucks and the transfer trucks. The direct loading into transfer trailers minimizes the residence time of the waste on the floor. Driving through the transfer station building with in-line unloading (rather than backing up and discharging into a loading pit or unloading area) promotes safer handling of the waste material and enhance employee safety.

## 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Visual screening is provided by the location of the transfer station being located approximately 675 feet from SR 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore, an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties at the locations shown on Figures I/II-6 and III-1.1.

Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation. The primary noise source of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with backup alarms set at the lowest possible noise level consistent with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well.

# 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

## 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies

with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

## 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls <u>will be constructed from metal panels</u> and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. A spray nozzle, such as a pressure-washer, will be used to hose down the concrete tipping floor. It is estimated that each floor washing will require no longer than two hours. Using a pressure-washer with a discharge rate of 2.75 gallons/minute, it is estimated that each washing event will generate 330 gallons. Tipping floor washdown water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a 500-gallon (minimum) to 2,000-gallon (maximum) contaminated water holding tank. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

# 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 4.0 WASTE MANAGEMENT UNIT DESIGN §330.63(D)(1)

In accordance with §330.63(d), the general design and waste operations and storage are summarized in the following sections.

# 4.1 WASTE OPERATIONS §330.63(D)(1)(A)

The facility is designed for efficient waste processing and transfer. All solid waste will be stored on the building tipping floor only and processed or transferred promptly, thereby preventing nuisances and public health hazards.

General operations will be conducted in a manner that allows for the prompt and efficient unloading of waste. The waste will be discharged from the collection vehicles onto the facility processing floor (tipping floor). Waste will be loaded into open-top transfer trailers, covered and transported to an authorized disposal facility.

As shown on Part III, Attachment 1, Figures III-1.3, the collection trucks will enter the site and will weigh-in at the scale house. The trucks will proceed to the transfer station building where they will unload the waste onto the tipping floor for processing and then return to the on-site access road to the exit the site. After the waste has been processed, the waste will be loaded into transfer trucks located on the tipping floor. After the transfer trucks are full, they will be tarped and proceed to the facility exit. Empty transfer trucks that are awaiting loading will que up on the area leading to the building.

# 4.2 SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227

Staging and processing areas at this facility will be located within the transfer station structure. The tipping floor is designed to control and contain spills and contaminated water. Contaminated water generated by the transfer station consists of washdown water applied to the tipping floor. Contaminated water is conveyed from the tipping floor to a minimum 2,000-gallon holding tank, which is pumped by a registered hauler and transported to a permitted waste water treatment facility for disposal.

# 4.3 WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. Solid waste will be stored in a manner to prevent fires, ensure safety, prevent a health hazard, or preclude food or harborage for animals and vectors, and contained to minimize windblown solid waste and litter. Solid waste will be stored either in a transfer trailer with a tarp cover or on the tipping floor with a tarp cover. Recyclable materials stored on the tipping floor or in enclosed containers will not require tarping. The maximum time waste material will be stored will not exceed 48 hours for the transfer station, except on holidays or weekends. On holidays and/or weekends the maximum time will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is  $$79, \frac{235419}{235419}$ .



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 <u>Revision 3: February 2022</u> SCS Project No. 16219083



#### FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



SCS Engineers TBPE Reg. # F-3407

# **FIGURES**







Applicant's Ex. 1, p. 000391

⊉ BOLLARD (TYP.) (VARIES) (VARIES)  $\mathcal{O}$ I 20' (MIN) (VARIES) -> DOOR DOOR (TYP.) TRANSFER VEHICLES DRIVES Æ 3 WALL (TYP.) TIPPING, FLOOR 120' (TYP.) GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) SLOPE SLOPE LOADER A III-1.5 WASTE COLLECTION VEHICLES DRIVES INTO AN UNLOADING POSITION - ELECTRICAL, SUPPLY STORAGE AREAS F Slop ∕∆ E 20' (MIN) (VARIES)<sup>.</sup> (VARIES) -I OD (VARIES) 120' EGRESS





.



Applicant's Ex 1 p 00020

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

> PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE

> > **Prepared for:**

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**Texas Board of Professional Engineers, Reg. No. F-3407** 

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 <u>Revision 3: February 2022</u> SCS Project No. 16219083



#### **TABLE OF CONTENTS**

SECT	TION	PAGE
1.0	INTRODUCTION	111-3-1
2.0	CLOSURE COST ESTIMATE	111-3-1

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A

**Closure Cost Calculation** 



SCS Engineers TBPE Reg. # F-3407


## 1.0 INTRODUCTION

The closure cost estimate for the Highway 24 Transfer Station has been prepared in accordance with 30 TAC §330.505. Current TCEQ rules do not require post-closure maintenance for the transfer station.

## 2.0 CLOSURE COST ESTIMATE

The facility includes a partially-enclosed building, a scale house with a scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, partially enclosed building with an above-grade processing floor (tipping floor). The structure footprint will be approximately 120 feet by 120 feet with a concrete tipping floor, steel framing, metal exterior wall panels on two sides, and a roof.

A detailed estimate in current dollars of the cost of hiring a third party that is not affiliated (as defined in 30 TAC §328.2) with the Owner or Operator to close the facility at any time during the active life, when the extent and manner of its operation would make closure most expensive, is included in Table III-3.1. The cleanup and disposition costs for onsite waste material are based on a per ton measure, as shown in closure cost calculations provided in Appendix 3A. Engineering costs associated with the closure are based on standard engineering practice based on SCS Engineers' experience in completing these services at similar facilities.<sup>1</sup> No dismantling of the transfer station, scale house, concrete pad(s) or drainage structures will be conducted at closure. No changes to the site elevations at closure will occur that will affect the final contour map.

The estimated closure cost based on the above considerations is included in the attached Table III-3.1 in 2021 dollars. A copy of the required documentation to demonstrate financial assurance will be submitted 60 days prior to initial receipt of waste. During the active life of the facility, the Owner will annually adjust the Closure Cost Estimate and the amount of financial assurance for inflation in accordance with 30 TAC, Chapter 37, Subchapter J. An increase in the closure cost estimate and the amount of financial assurance will be made if changes to the facility conditions increase the maximum cost of closure. A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure and the Owner or Operator has provided written notice to the TCEQ of the detailed justification for this reduction. A permit modification, in accordance with §307.70, is required to reduce the closure cost estimate and the amount of financial assurance coverage for closure will be provided until all requirements of the Closure Plan are completed and the site is determined to be closed in writing by the TCEQ.

<sup>1.</sup> SCS Engineers is a national environmental engineering company providing solid waste services (including closure plans for transfer stations) as a core business.

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$6,000
B.2	Transport waste by a properly authorized transporter and dispose of	\$35,000
	waste at a properly authorized facility.	
B.3	General cleanup to include wash down of facility. To include	\$6,000
	removal, transport, treatment, and disposal of all wash down	
	waters/media.	
B.4	Vector control procedures.	\$1,500
B.5	Contaminated Water Disposal.	\$ <u>560</u> 400
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$ <del>68,900<u>69,060</u></del>
	Contingency Cost (15%)	\$ <del>10,335</del> 10,359
	Total	\$ <del>79,235<u>79,419</u></del>

## Table III-3.1Cost Estimate for Third Party Closure

## **APPENDIX III-3A**

## CLOSURE COST CALCULATION



SCS Engineers TBPE Reg. # F-3407



#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Item No.	Description	Estimated Quantity	Units	Approx. Unit Cost	Extended Cost	Notes
A	State Administration of Site Closure					
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	\$4,000.00	
3	Procure Bids	1	L.S.	\$2,000.00	\$2,000.00	
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00	
в	General Cleanup of Site and Process U	nits				
1	Cleanup and remove waste stored onsite	1,000	Tons	\$6.00	\$6,000.00	max waste to be stored on site per SOP
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	1,000	Tons	\$35.00	\$35,000.00	Large capacity transfer trucks (cost based on operator experience)
m	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00	
4	Vector control procedures	1	L.S.	\$1,500.00	\$1,500.00	Assumes site requires one treatment by pest control co.
5	Contaminated Water Disposal	4,000	Gallons	\$0.14	\$560.00	Assumes cost of transportation and disposal at appropriate facility. Includes cost of disposing volume i 2000 gallon storage tank, plus additional washdown.
с	Secure Site					
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00	
D	D Certification of Abandonement and Completion of Cleanup					
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00	
2	Sample/test/classify waste (ash, liquids, sludge, other waste not readily identifiable as garbage, trash, refuse). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00	
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated
	Subtotal				\$69,060.00	
E	Contingency Cost (15%)				\$10,359	
	GRAND TOTAL				\$79,419	

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

3. Additional calculations for contaminated water disposal are included on Page III-3A-3.

scs engineers February 2022

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 <u>Revision 3: February 2022</u> SCS Project No. 16219083



Applicant's Ex. 1, p. 000401

## **TABLE OF CONTENTS**

<u>SECTIC</u>	<u> </u>			<u>PAGE</u>
1	INTR	ODUCT	[ION	IV-1
	1.1	Gener	ral Facility Design	IV-1
	1.2	Gener	ral Facility Operation	IV-1
	1.3	Gener	ral Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	IV-2
		1.3.2	Equipment Operators	IV-2
		1.3.3	Gate Attendants	IV-3
		1.3.4	Laborers	7/2022
	1.4	Gener	ral Facility EquipmentSCS Engin	IV-3 neers
		1.4.1	Equipment for Emergencies	<b>g. # F-3407</b> IV-4
2	WAS	STE ACC	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	e Sources and Characteristics	IV-5
	2.2	Measu	ures for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	e Acceptance Rate	IV-9
	2.4	Waste	Storage and Processing Time	IV-10
	2.5	Waste	∋ Disposal	IV-10
	2.6	Waste	e and Effluent Testing	IV-10
3	FACI	LITY - C	GENERATED WASTES (30 TAC §330.205)	IV-11
4	CON		IATED WATER MANAGEMENT (30 TAC §330.207)	IV-12
5	STO	RAGE R	REQUIREMENTS (30 TAC §330.209)	IV-13
6	APP	ROVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	ZEN'S C	OLLECTION STATION (30 TAC §330.213)	IV-15
8	REQ	UIREME	INTS FOR STATIONARY COMPACTORS (30 TAC §330.215).	IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)IV-22
	12.1 Site SecurityIV-22
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227) TBPE Reg. # F-3407.IV-25
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

scs engineers February 2022

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

## TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### APPENDICES

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

## 1 INTRODUCTION

This Site Operating Plan (SOP) for the Highway 24 Transfer Station has been prepared based on Title 30 of the Texas Administrative Code (30 TAC) Chapter 330, Subchapter E. The Highway 24 Transfer Station (facility) is a Type V municipal solid waste transfer station owned and operated by Transfer Station Solutions, LLC (TSS). The purpose of this SOP is to provide general instruction to site management and operating personnel throughout the operating life of the facility. This document provides an operating guide for site management to maintain the facility in compliance with the engineering design and applicable regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) or appropriate successor agency, to protect human health and the environment, and to prevent nuisances. This plan is formatted to follow the regulatory criteria set forth in 30 TAC §330.201-249 (Subchapter E of the TCEQ Municipal Solid Waste Regulations). The plan may also serve as a reference source to assist in personnel training. This SOP and the permit will be kept onsite throughout the facility's life.

If, at any time during the life of the transfer station, the facility manager becomes aware of any condition in the approved SOP which necessitates a variation from the SOP to accommodate new technology or improved methods which makes it impractical to keep the facility in compliance with the SOP, the site owner will submit a revised SOP to the TCEQ. Such proposed changes to the approved SOP may require a modification to the Highway 24 Transfer Station permit application in accordance with 30 TAC §305.70 or an amendment to the permit application in accordance with 30 TAC §305.62. The appropriate modification/amendment will be submitted for action by the TCEQ.

## 1.1 GENERAL FACILITY DESIGN

The transfer station site includes the transfer station structure with a scale house/office and vehicle scales. The inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The facility will include a water tank, a contaminated water holding tank, stormwater drainage features, and a fence with locking gates. The transfer station structure is a single-level, building with a processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floor, steel framing, metal exterior <u>walls</u>/panels-on two sides, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The general design and construction details for the building components are included in Part III, Attachment 1, including a Site Layout Plan provided on Figure III1.1. The construction layout and building components are shown in Figures III-1.4 through III-1.7.

## 1.2 GENERAL FACILITY OPERATION

It is anticipated that incoming waste will mostly come in collection trucks (front-end- and rearend-loaded) and in roll-off boxes, with a lesser component received directly from small vehicles, dump trucks or end-dump style semi-tractor trailers. Waste collection vehicles will enter the site and be weighed at the scale. The gate attendant will screen incoming loads for their contents and acceptability and then direct these vehicles to the transfer station structure. Acceptable wastes will be off-loaded onto the tipping floor, inspected for prohibited wastes, and then loaded with site equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

## 1.3 GENERAL FACILITY PERSONNEL

## 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class B license, as defined in 30 TAC §30.210.

## 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of

non-employees and other persons while on the premises. Equipment Operators will be trained to check for and identify prohibited wastes, and to alert the Transfer Station Manager for proper removal. Equipment Operators monitor and direct unloading vehicles and are also responsible for maintenance, litter abatement, and general site cleanup. The Equipment Operators intervene as necessary to prevent accidents and report unsafe conditions immediately to the Transfer Station Manager. Examples of their daily responsibilities may include, but are not limited to: loading materials into transfer trailers and using equipment to sweep the tipping floor. The Transfer Station Manager or designated representative will supervise the equipment operations.

**Qualifications:** At a minimum, be capable of fulfilling the obligations and duties described under this section. Equipment Operators that are hired on the basis of specific heavy equipment experience may be assigned to operate specific types of equipment without additional training.

## 1.3.3 Gate Attendants

The Gate Attendants will manage the scale house to receive waste. The gate attendants will perform the following tasks: control site access and screen incoming waste; visually inspect open containers to verify contents, including inquiring/checking for prohibited waste; dispense information on the proper utilization of the site; assess tipping fee charges; maintain records of each transaction and vehicles entering the facility; and direct persons to the transfer station structure as appropriate. The Transfer Station Manager or designated representative will supervise the Gate Attendants.

**Qualifications:** Will be required to have experience and education commensurate with job requirements, as described above, and computer literacy skills. If the new employee does not have previous transfer station experience, he/she will be required to complete a training program or on-the-job training specific to their job responsibilities, prior to working in an unsupervised position.

## 1.3.4 Laborers

Laborers will provide miscellaneous operations support at the transfer station. This support will include, but is not limited to: sweeping the operations areas using manual equipment, performing facility wash-down, collecting and disposing of windblown litter, performing general equipment and building maintenance, and directing vehicles in the unloading areas. Other site personnel or Laborers may be employed from time to time in categories such as maintenance, litter abatement, and general site cleanup. The minimum qualifications for Laborers are the demonstrated abilities to perform assigned duties in a safe and effective manner. The Transfer Station Manager and/or the Equipment Operators will supervise the Laborers.

## 1.4 GENERAL FACILITY EQUIPMENT

Sufficient equipment will be provided to have adequate capability to conduct site operations in accordance with the design and conditions of the Site Development Plan (SDP) and this SOP.

The facility will typically use one bucket front-end loader and one raised-cab basket grapple loader with a scale (or similar materials handling equipment) for the transfer operations. The minimum equipment required to operate the facility is one front-end loader. Collection vehicles will unload MSW within the transfer station on the tipping floor. A front-end loader will typically push the

MSW towards a grapple loader (or similar materials handling equipment), which will transfer the MSW from the tipping floor into the transfer trailers or directly load waste from tipping floor to transfer trailers. The facility will have a permitted maximum rate of waste acceptance of 1,000 tons per day.

The facility will provide sufficient equipment if the volume of daily waste transfer will require additional equipment. Additional company-owned or rental equipment, such as road tractors, water trucks, and backhoes, may be provided as necessary to enhance operational efficiency. At infrequent times, such as during equipment breakdown or periodic maintenance, additional equipment stationed at other company facilities will be transported to the transfer station as needed. Other equivalent types of equipment may be substituted on an as-needed basis to adequately maintain the transfer station and meet the operational standards required by the TCEQ's regulations in accordance with all applicable local, state, and federal regulations.

## 1.4.1 Equipment for Emergencies

Each major piece of equipment, scale house, and transfer station structure will be equipped with fire extinguishers. The on-site water tank will be available for firefighting purposes. A first-aid kit will be maintained at the site. Personal Protective Equipment will be supplied to the operators and laborers, as needed.

# 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)

## 2.1 WASTE SOURCES AND CHARACTERISTICS

This transfer station is authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste and certain special waste that are described in this section. Special waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. The parameter limitations, as required by §330.203(a), applicable to this facility are associated with the types or classification of waste not accepted at the transfer station as described below and Section 2 of Part IV, Appendix IV-1 – Waste Acceptance PlanConsistent with §330.203(a), there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste;
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors;
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit);
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls;
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. The following special waste that do not interfere with site operations will be accepted at this facility:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste on a case by case basis;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate; and

- Non-RACM Incidental amounts of non-regulated asbestos containing materials (Non-RACM) (incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight).
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.
- Construction or Demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics;
- Class 2 Industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination); and
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes, referred to herein as prohibited wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
  - Class 1 non-hazardous industrial waste;
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
  - Septic tank pumpings;
  - Grease and grit trap wastes;
  - Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing

any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);

- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

A Waste Acceptance Plan (WAP) is included in Part IV, Appendix IV-1. Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of the WAP.

## 2.2 MEASURES FOR CONTROLLING PROHIBITED WASTES

In order to address the detection and prevention of regulated hazardous wastes as defined in 40 Code of Federal Regulations (CFR) Part 261 and of polychlorinated biphenyls (PCB) waste as defined in 40 CFR Part 761, a Waste Screening Plan (WSP) and exclusion program will be implemented at the transfer station. The purpose of the program is to:

- 1. Prevent the unauthorized entry and disposal of wastes not approved by the rules and regulations of the TCEQ and the facility Permit
- 2. Protect the site operating personnel and customers using the facility
- 3. Maintain regulatory compliance

- 4. Assure that the site and surrounding areas are protected from possible contamination from prohibited wastes
- 5. Provide implementation procedures for the detection and exclusion program.

Procedures to detect and control the receipt of prohibited wastes include:

- 1. Informing facility customers and drivers of incoming hauling vehicles of prohibited wastes by posting one or more signs at the facility entrance listing prohibited wastes
- 2. Providing customers and drivers of incoming hauling vehicles (regular and occasional) with a written list of prohibited wastes
- 3. Training facility personnel:
  - Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste and PCB waste
  - Conducting random inspections of incoming loads in accordance with procedures described in this section
  - Maintaining records of all inspections

Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gate attendant and equipment operators will be trained in inspection procedures for prohibited waste. Supervisors will provide personnel with on-the-job training. Records of employee training on prohibited waste control procedures will be maintained in the site operating record.

If transfer station personnel identify any of the above indicators in an incoming load, then that load will be directed to an area out of the flow of traffic and facility personnel will further assess the load. If the load is determined to contain prohibited waste, then the load will be rejected and directed back to the generator.

## 2.2.1 Managing of Prohibited Wastes

Known prohibited wastes detected during inspection are returned immediately to the hauler. If the hauler is not available, the waste will be placed in suitable collection bins. An effort is first made to identify the entity that deposited the prohibited wastes and have them return to the site and properly disposed of the waste material. In the event that identification of the source is not possible, the Transfer Station Manager will manage the waste so it is disposed of properly; however, the waste will not be allowed to remain on the site in the collection bins for more than 72 hours.

In the event unauthorized waste is not discovered until after the collection vehicle that delivered it is gone, the site will attempt to segregate the unauthorized waste and manage it properly as directed by the Transfer Station Manager. The site will, if necessary, notify the TCEQ and seek guidance on how to dispose of the waste. Documentation will be included in the site operating record each time unauthorized or prohibited waste is discovered and removed from the site. Site personnel will have a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements.

Unknown wastes undergoing analysis are properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

## 2.2.2 Load Inspection Procedure

An Equipment Operator in the transfer station will visually inspect all incoming loads. Should any indication of prohibited waste be detected, appropriate personnel will conduct a thorough evaluation of the load. The driver is directed to a load inspection area in an unused area of the tipping floor where the load is discharged from the vehicle. The inspector breaks up the waste pile and inspects the material for any hazardous or prohibited waste. Facility personnel flag suspicious wastes. Known prohibited waste is placed back into the vehicle and the driver is instructed to depart the site. Should any regulated hazardous waste be detected, the entire load will be refused.

Reports of load inspections are completed for each inspected load. The reports include (at a minimum), the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, the contents of the load, the indicators of prohibited waste, and the results of the inspection.

In addition to the above procedure, incoming loads are inspected on a random basis. At a minimum, the transfer station will randomly inspect one percent of all incoming loads (not to be less than one incoming waste vehicle) per day. The driver of a randomly selected load will be notified at the scale house and instructed to proceed to the inspection area of the tipping floor that is out of the flow of normal transfer station traffic. At this point, the operator will visually inspect the contents of the load and document the contents for the type of waste contained. Following any random inspection, documentation of the inspection will be placed in the site's operating record. The documentation will include information such as the date, time, name of inspector(s), transporter/generator information, and waste information.

## 2.3 WASTE ACCEPTANCE RATE

It is anticipated that the transfer station facility daily waste rate will not exceed 1,000 tons per day. An estimate of the amount of waste to be received daily, by waste type, is as follows:

Table 1 - 5 Summary of Waste Types		
Wasta Typa	<b>Estimated Daily</b>	
waste Type	Amount	
MSW	50% to 100%	
C & D	0% to 50%	
Special Wastes	0% to 25%	
Yard Waste	0% to 25%	
Class 2	0% to 25%	
Class 3	0% to 25%	

## Table IV-3 Summary of Waste Types

These waste amounts are only estimates and are not intended to be a limitation or constraint on the site operations.

## 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. <u>The maximum volume of waste that will be stored</u> <u>overnight at the transfer station at any given time is 500 tons</u>. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

## 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream for proper management either through recycling per 30 TAC Chapter 328 of the TCEQ regulations or transported to permitted landfills where they will be split in half, quartered or shredded prior to disposal.

## 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in \$330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in \$330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.



## 3 FACILITY - GENERATED WASTES (30 TAC §330.205)

The only wastes that the transfer station will generate are the contaminated water from the floor wash down process, incidental liquids in the trucks, and the waste in the portable sanitary facilities. The characteristics and approximated constituent concentrations of the waste in the portable sanitary facility will consist of only human waste and approved deodorizing chemicals utilized by an approved portable toiler provider. Portable sanitary facilities will be maintained in accordance with instructions from the providers of such facilities.

Also, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system. At the appropriate times, the owner will engage appropriately-trained contractors for maintenance of that system.

The contaminated water (wastewaters) from incidental liquids in the trucks and the floor wash down process will be managed in accordance with §330.207 as described in Section 4.0 of this Site Operating Plan. The transfer station will maintain documentation in the Site Operating Record indicating that the contaminated water as well as the portable sanitary waste was (1) removed from the facility by a licensed or permitted entity eligible to receive and dispose of such wastes and (2) disposed of at a wastewater treatment facility permitted by the TCEQ. The facility will not generate sludges, therefore the requirements of §330.205(d) do not apply.

## 5 STORAGE REQUIREMENTS (30 TAC §330.209)

Solid waste entering the facility will be stored in the covered TS structure or loaded in transfer trailers. All solid waste will be stored in a manner to prevent fires, ensure safety, prevent and control vectors and odors, and contained to prevent windblown solid waste and litter.

No solid waste loading, storage, or disposal will occur within any easement, buffer zone, or rightof-way that crosses the facility. When necessary, MSW material will be stored onsite for a maximum time not to exceed 48 hours, except on holidays and/or weekends, where it will not exceed 72 hours. The volume of MSW stored overnight will not exceed 500 tons. Waste that is stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Tarping of segregated recyclable materials will not be required. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or rightof-way.

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility. The water tank will be maintained with a minimum water level of 75% of the total capacity, with the exception of immediately after use. To ensure adequate pressure to reach the far corner of the tipping floor, the tank will also be equipped with a booster pump. The water tank will be connected to a 100 gallon per minute (gpm) pump with pressure controls that are connected to a Class III standpipe (consistent with National Fire Protection Association [NFPA] fire code NFPA-1 - Fire Code). The standpipe and pump system will be capable of providing 100 gpm at 100 psi through a 1.5-inch diameter fire hose. The standpipe, pump, and hose system will be installed consistent with NFPA 14 - Standard for the Installation of Standpipes and Hose Systems.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;
- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

## 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

## 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter throughout the facility will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

As described in Section 2.1.2 of Part III, Site Development Plan and as indicated on Figure III-1.4, a 30-foot long, six-foot chain link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

# 23 VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)

Ventilation will be provided in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's open design and high ceiling will provide ample passive ventilation. Dust and particulates that may occur in the building will be controlled, as needed, using water sprays, mist systems, or similar methods.

A minimum 50-foot buffer will be provided between the transfer building and the site boundaries to minimize the likelihood of nuisance odors from leaving the boundary of the facility. If, at any time, nuisance odors are found to be passing the facility boundary, the owner or operator will modify waste transfer operations to reduce the time waste is accumulating on the tipping floor. If modified transfer operations do not succeed in abating odors, the owner or operator will employ and properly maintain/operate odor control equipment. If necessary, the facility will suspend operations until the nuisance has been properly abated.

The facility will ensure that the operation of the facility does not violate any applicable requirements of the approved state implementation plan developed under the Federal Clean Air Act, Section 110, as amended, and TAC 330.15(d), which prohibits the burning of waste. Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. Air emissions and odors will be controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. Appropriate authorization under Chapter 116 or Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Station), as applicable, will be obtained prior to operating the transfer station. Reporting emissions events, if applicable, will occur in accordance with 30 TAC §101.201 and reporting scheduled maintenance will occur in accordance with 30 TAC §101.211.

No waste loading, unloading, processing, or disposal will occur outside the building. All liquid and solid waste shall be stored in odor-retaining containers and vessels. A minimum 50-foot buffer will be provided between the transfer building and the site boundaries. The owner's additional measures to prevent and control potential odors being generated and migrating off site include the following:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor
- Draining the contaminated water tank
- Use of cover tarps in the event waste is stored overnight in the transfer station
- The deployment of a deodorizing system at appropriate locations, if necessary.

The site will be graded to prevent the ponding of water in improper locations which are not part of the drainage system. The on-site drainage structures will be maintained to promote positive drainage, thus minimizing any nuisance odors associated with stagnant water.

Washwaters will not be allowed to accumulate on the tipping floor. Washwater will be managed consistent with the procedures outlined in Section 4 of this Site Operating Plan.

UNMARKED

M:\Projects\16219083.00\NODs\Tech NODs\12-28-21\L2022.02.17 TSS, MSW-2411, Technical NOD Response.docx

## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

## SCS ENGINEERS

SCS Project No. 16219083 | February 2022 Revision 3

Applicant's Ex. 1, p. 000422

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PARTS I/II GENERAL APPLICATION REQUIREMENTS

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021

817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



Applicant's Ex. 1, p. 000424

## TABLE OF CONTENTS

SEC	TIO	PAGE
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))S-1
1	PRO	PERTY AND OWNERSHIP SUMMARYI/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))I/II-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))I/II-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1
	1.4	Easements (30 TAC §330.61(c)(10))I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))
	1.6	Evidence of Competency (30 TAC §330.59(f)
	1.7	Appointments (30 TAC §330.59(g))I/II-2
	1.8	Application Fees (30 TAC §330.59(h))
	1.9	Application Posting Information (30 TAC §330.57(i))I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7)) <b>TBPE Reg. # F-3407</b> 1/II-3
2	FAC	LITY FEATURES AND WASTE ACCEPTANCE PLANI/II-5
	2.1	Proposed PermitI/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5
		2.2.1 Waste Types and Generation AreasI/II-5
		2.2.2 Projected Waste Acceptance RateI/II-8
		2.2.3 Population EquivalentI/II-8
		2.2.4 Waste Storage and DisposalI/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))I/II-9
3	EXIS	TING CONDITIONS SUMMARYI/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))I/II-10
		3.1.1 Zoning

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	portation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes.
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-17
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-17
	3.4.1	Groundwater ConditionsI/II-17
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-18
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-19
3.7	Site-Sp	pecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-19

## TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

## **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

## FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map
- I/II-10 FAA Airport Vicinity Map

## APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List





SCS Engineers TBPE Reg. # F-3407 Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

## 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

## 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions. No person or entity other than Transfer Station Solutions will own more than 20% of the transfer station; Josh Bray is the sole owner and the only principal of Transfer Station Solutions. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

## 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II. Transfer Station Solutions does not currently own or operate any other facilities in any state, territory or country.

## 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

## 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC 330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to

this permit application will also be posted at the same location. This internet posting is for informational purposes only.

In accordance with 30 TAC 330.57(i)(3), the owner or operator will post notice signs at the site within 30 days of the executive director's receipt of this application. The sign posting is for informational purposes only. The signs will:

- Have a white background and be no smaller than four feet by four feet
- Consist of dark lettering, with letters at least three inches in height and block printed capital lettering
- Identify, as appropriate, that the application is for a proposed facility
- Include the words "For further information on how the public may participate in Texas Commission on Environmental Quality (TCEQ) permitting matters, contact TCEQ," the toll free telephone number for the Office of Public Assistance, and the agency's Web site address
- Include the name and address of the owner or operator
- Include the telephone number of the owner or operator
- Remain in place and legible until the close of the final comment period

As applicable, signs will be located within ten feet of every property line bordering State Highway 24 (SH 24). The signs will be visible from the street and spaced at not more than 1,500-foot intervals. As such, a minimum of one sign, but no more than three signs, will be placed along SH 24.

## 1.10 REQUIRED PERMITS/AUTHORIZATIONS (30 TAC §305.45(a)(7))

In accordance with 30 TAC §305.45(a)(7), the required permits and authorizations for the facility are summarized below in Table I/II-1.1.

Permit/Authorization Status	Program
N/A	Hazardous Waste Management program under the Texas Solid Waste Disposal Act
N/A	Underground Injection Control (UIC) program under the Texas Injection Well Act
N/A	National Pollution Discharge Elimination Systems (NPDES) program under the Federal Clean Water Act (CWA) and Waste Discharge program under the Texas Water Code, Chapter 26
N/A	Prevention of Significant Deterioration (PSD) Program under the Federal Clean Air Act
N/A	Nonattainment Program under the Clean Air Act

N/A	National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act
N/A	Ocean dumping permits under the Marine Protection Research and Sanctuaries Act
N/A	Dredge and fill permits under the Federal Clean Water Act
N/A	Licenses under the Texas Radiation Control Act
RQD	NPDES Stormwater Pollution Control §402 Permit
N/A	U.S. Army Corps of Engineers Dredge and Fill Permit §404
N/A	Subsurface area drip dispersal system permits under the Texas Water Code, Chapter 32
RQD (see note 1 below)	TCEQ Air Quality Permit or Registration

Notes: N/A = Not Applicable REC = Received

RQD = RequiredAPP = Applied For

1. Standard Air Permit for MSW Transfer Stations (30 TAC § 330.981 et seq.).

## 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior walls/panels, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

## 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

## 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. The parameter limitations, as required by §330.203(a), applicable to this facility re described below and in Section 2 of Part IV, Appendix IV-1 – Waste Acceptance Plan.

The transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).
The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - Class 1 non-hazardous industrial waste
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - o Slaughterhouse wastes
  - Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter

provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.

- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

# 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year $\div$ 0.78 tons/person/year
	= 400,000 persons

# 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these

circumstances will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ, such as the Blossom Prairie Landfill (TCEQ Permit No. 2358). Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter has been sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter has also been sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence are included in Part I/II, Appendix I/II-A.1. As noted in the November 10, 2021 letter from the NCTCOG, "...the Resource Conservation Council (RCC) found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan…"

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

# Table I/II-3.2: Census Population and Projected Estimates forHunt County, Texas 2020-2050

In communications with Hunt County, it was confirmed that there have not been any plats for developments within five miles of the transfer station, as of November 2021. Furthermore, a ground survey of the area did not reveal any growth trends or direction of major development within five miles of the proposed transfer station.

# 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

#### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

# <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

### <u>Churches</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### **Cemeteries**

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

# <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

### Miscellaneous Uses

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

# 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

# 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

# 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;

• documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). Vehicles accessing the transfer station from the south-bound lanes of SH 24 will utilize the existing left-turn lane on SH 24. An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will include two 12-foot inbound lanes, and a single 15-foot outbound lane, and will be an all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

As confirmed with TxDOT, the maximum legal weight limit for SH 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

# 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count

data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

# Table I/II-3.3: Existing and Future Traffic Volumes for State Highway 24

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

Future traffic projections are based on an average annual growth rate for Hunt County of 0.64%. The projected traffic volumes on SH 24 for 2050 were calculated as 12,623 vehicles per day within one mile of the facility. The maximum projected traffic generated by the facility (174 vehicles per day) represents 1.38% of the traffic on SH 24 (see Section 3.2.3 below). As per guidelines provided in Highway Capacity Manual, Transportation Research Board, Washington DC, Report #209, the capacity of SH 24 is approximate 57,600 vehicles per day in one directional traffic flow for two lanes of traffic at Level of Service (LOS) B. Hence, the capacity of SH 24 is more than adequate for the total projected traffic volumes during the expected life of the facility.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
Vehicle Type	At Initial Waste Acceptance Rate (400 tons/day)	At Max Waste Acceptance Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small vehicles	10	20	
Transfer Station Operators' Personal Vehicles	2	4	
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

Table I/II-3.4:	Facility	Generated	Traffic
-----------------	----------	-----------	---------

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. There is a gross vehicle weight limit of 80,000 pounds for SH24. Based on the findings of this traffic study and communications with TxDOT, there are no other existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

# 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

# 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

# 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

#### 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

#### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

# 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

#### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### References:

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

# 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

# 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

### 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

#### 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the permit area does not include any of the characteristics of a wetland and is not within a wetland. Consistent with §330.553(b)(2), the facility will not cause or contribute to violations of any applicable water quality standard, violate any applicable toxic effluent standard or prohibition under the Clean Water Act, jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary.

A copy of IES's study report is included in Appendix I/II-B.

# 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks, or natural/managed areas within the survey area ... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species." In view of the above, consistent with §330.551 and §330.61(n), operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

# 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

# EVIDENCE OF COMPETANCY

scs engineers February 2022

# Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017 and maintains this license to-date. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree. Either Mr. Bray will serve as the licensed solid waste facility supervisor, acting as president and an employee of TSS, or Transfer Station Solutions will hire a facility supervisor with the required credentials.

Josh Bray holds a minor, non-controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operations today. Transfer Station Solutions, LLC does not currently own or operate any other facilities inside or outside of Texas.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	County	TCEQ Permit or Registration No.	Dates of Operation under Mr. Bray's Management
Fannin Transfer Station	Fannin	40290	7/17/17 -6/1/19
Canton Transfer Station	Van Zandt	40266	4/24/13 - 6/1/19
Pittsburg Transfer Station	Camp	40174	3/12/14 - 6/1/19
Blossom Prairie Type I Landfill	Lamar	2358	10/13/09 - 6/1/2019

# **FIGURES**





FOR PERMITTING PURPOSES ONLY

NUMATOS

#### Applicant's Ex. 1, p. 000448

SCALE: AS SHOWN FIGURE NO.

I/II-6



NOTE: LOCATION.



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



		TABLE OF CONTENTS
SEC	ΓΙΟΝ	PAGE
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2)III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-5
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-6
		2.3.3 Protection of Endangered Species §330.63(b)(5)III-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	STE MANAGEMENT UNIT DESIGN §330.63(d)(1)III-8
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J)III-10

#### **ATTACHMENTS**

- 1 General Facility Design Plan
- 2 Closure Plan



SCS Engineers TBPE Reg. # F-3407 Gates are also located on the north and east permit boundaries to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules. As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

# 2.2 WASTE MOVEMENT §330.63(B)(2)

### 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

#### 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

#### 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building will provide adequate passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a

perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels/walls (including vehicle access doors on the north and south sides), and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building has an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

The single-level building structure allows for more efficient flow of both the collection trucks and the transfer trucks. The direct loading into transfer trailers minimizes the residence time of the waste on the floor. Driving through the transfer station building with in-line unloading (rather than backing up and discharging into a loading pit or unloading area) promotes safer handling of the waste material and enhance employee safety.

### 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Visual screening is provided by the location of the transfer station being located approximately 675 feet from SR 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore, an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties at the locations shown on Figures I/II-6 and III-1.1.

Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation. The primary noise source of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with backup alarms set at the lowest possible noise level consistent

with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well.

# 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

#### 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

### 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls will be constructed from metal panels and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. A spray nozzle, such as a pressure-washer, will be used to hose down the concrete tipping floor. It is estimated that each floor washing will require no longer than two hours. Using a pressure-washer with a discharge rate of 2.75 gallons/minute, it is estimated that each washing event will generate 330 gallons. Tipping floor washdown water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a 500-gallon (minimum) to 2,000-gallon (maximum) contaminated water holding tank. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

# 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 4.0 WASTE MANAGEMENT UNIT DESIGN §330.63(D)(1)

In accordance with §330.63(d), the general design and waste operations and storage are summarized in the following sections.

# 4.1 WASTE OPERATIONS §330.63(D)(1)(A)

The facility is designed for efficient waste processing and transfer. All solid waste will be stored on the building tipping floor only and processed or transferred promptly, thereby preventing nuisances and public health hazards.

General operations will be conducted in a manner that allows for the prompt and efficient unloading of waste. The waste will be discharged from the collection vehicles onto the facility processing floor (tipping floor). Waste will be loaded into open-top transfer trailers, covered and transported to an authorized disposal facility.

As shown on Part III, Attachment 1, Figures III-1.3, the collection trucks will enter the site and will weigh-in at the scale house. The trucks will proceed to the transfer station building where they will unload the waste onto the tipping floor for processing and then return to the on-site access road to the exit the site. After the waste has been processed, the waste will be loaded into transfer trucks located on the tipping floor. After the transfer trucks are full, they will be tarped and proceed to the facility exit. Empty transfer trucks that are awaiting loading will que up on the area leading to the building.

# 4.2 SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227

Staging and processing areas at this facility will be located within the transfer station structure. The tipping floor is designed to control and contain spills and contaminated water. Contaminated water generated by the transfer station consists of washdown water applied to the tipping floor. Contaminated water is conveyed from the tipping floor to a minimum 2,000-gallon holding tank, which is pumped by a registered hauler and transported to a permitted waste water treatment facility for disposal.

# 4.3 WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. Solid waste will be stored in a manner to prevent fires, ensure safety, prevent a health hazard, or preclude food or harborage for animals and vectors, and contained to minimize windblown solid waste and litter. Solid waste will be stored either in a transfer trailer with a tarp cover or on the tipping floor with a tarp cover. Recyclable materials stored on the tipping floor or in enclosed containers will not require tarping. The maximum time waste material will be stored will not exceed 48 hours for the transfer station, except on holidays or weekends. On holidays and/or weekends the maximum time will not exceed 72 hours. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or right-of-way.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is \$79,419.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



#### FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Building Layout
- Figure III-1.5 Transfer Station Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



SCS Engineers TBPE Reg. # F-3407

# **FIGURES**



.



Applicant's Ex. 1, p. 000463

SLOPE BOLLARD · (TYP.) (VARIES) (VARIES) 20' (MIN) (VARIES) - DOOR DOOR · (TYP.) TRANSFER VEHICLES DRIVES 3 WALL (TYP.) TIPPING, FLOOR 120' (TYP.) GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) SLOPE SLOPE LOADER A III-1.5 WASTE COLLECTION VEHICLES DRIVES INTO AN UNLOADING POSITION - ELECTRICAL, SUPPLY STORAGE AREAS F 20' (MIN) (VARIES)<sup>.</sup> (VARIES) I O $\square$ (VARIES) 120' EGRESS SLOPE



PREPARED SUBGRADE 1. ELEVATIONS FOR THE TIPPING FLOOR WILL BE DETERMINED DURING THE DETAILED DESIGN PHASE.

- TIPPING FLOOR SLAB THICKNESS WILL BE DETERMINED AS PART OF FOUNDATION DESIGN, INCLUDING GEOTECHNICAL CONSIDERATIONS.

NOTES:

4. SEE PART III, ATTTACHEMENT 1, FIGURE III-1.6 FOR THE CONTAMINATED WATER MANAGEMENT PLAN.







Applicant's Ex. 1, p. 000465



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

> PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE

> > **Prepared for:**

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



#### **TABLE OF CONTENTS**

SECT	TION	PAGE
1.0	INTRODUCTION	111-3-1
2.0	CLOSURE COST ESTIMATE	111-3-1

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A

**Closure Cost Calculation** 



SCS Engineers TBPE Reg. # F-3407
## 1.0 INTRODUCTION

The closure cost estimate for the Highway 24 Transfer Station has been prepared in accordance with 30 TAC §330.505. Current TCEQ rules do not require post-closure maintenance for the transfer station.

## 2.0 CLOSURE COST ESTIMATE

The facility includes a building, a scale house with a scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). The structure footprint will be approximately 120 feet by 120 feet with a concrete tipping floor, steel framing, metal exterior wall panels on two sides, and a roof.

A detailed estimate in current dollars of the cost of hiring a third party that is not affiliated (as defined in 30 TAC §328.2) with the Owner or Operator to close the facility at any time during the active life, when the extent and manner of its operation would make closure most expensive, is included in Table III-3.1. The cleanup and disposition costs for onsite waste material are based on a per ton measure, as shown in closure cost calculations provided in Appendix 3A. Engineering costs associated with the closure are based on standard engineering practice based on SCS Engineers' experience in completing these services at similar facilities.<sup>1</sup> No dismantling of the transfer station, scale house, concrete pad(s) or drainage structures will be conducted at closure. No changes to the site elevations at closure will occur that will affect the final contour map.

The estimated closure cost based on the above considerations is included in the attached Table III-3.1 in 2021 dollars. A copy of the required documentation to demonstrate financial assurance will be submitted 60 days prior to initial receipt of waste. During the active life of the facility, the Owner will annually adjust the Closure Cost Estimate and the amount of financial assurance for inflation in accordance with 30 TAC, Chapter 37, Subchapter J. An increase in the closure cost estimate and the amount of financial assurance will be made if changes to the facility conditions increase the maximum cost of closure. A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure and the Owner or Operator has provided written notice to the TCEQ of the detailed justification for this reduction. A permit modification, in accordance with §307.70, is required to reduce the closure cost estimate and the amount of financial assurance coverage for closure will be provided until all requirements of the Closure Plan are completed and the site is determined to be closed in writing by the TCEQ.

<sup>1.</sup> SCS Engineers is a national environmental engineering company providing solid waste services (including closure plans for transfer stations) as a core business.

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$6,000
B.2	Transport waste by a properly authorized transporter and dispose of	\$35,000
	waste at a properly authorized facility.	
B.3	General cleanup to include wash down of facility. To include	\$6,000
	removal, transport, treatment, and disposal of all wash down	
	waters/media.	
B.4	Vector control procedures.	\$1,500
B.5	Contaminated Water Disposal.	\$560
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$69,060
	Contingency Cost (15%)	\$10,359
	Total	\$79,419

## Table III-3.1Cost Estimate for Third Party Closure

#### **APPENDIX III-3A**

#### **CLOSURE COST CALCULATION**



SCS Engineers TBPE Reg. # F-3407

scs engineers February 2022

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Item No.	Description	Estimated Quantity	Units	Approx. Unit Cost	Extended Cost	Notes				
A	State Administration of Site Closure									
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed				
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	\$4,000.00					
3	Procure Bids	1	L.S.	\$2,000.00	\$2,000.00					
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00					
В	General Cleanup of Site and Process Unit	ts								
1	Cleanup and remove waste stored onsite	1,000	Tons	\$6.00	\$6,000.00	max.waste to be stored on site per SOP				
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	1,000	Tons	\$35.00	\$35,000.00	Large capacity transfer trucks (cost based on operator experience)				
3	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00					
4	Vector control procedures	1	L.S.	\$1,500.00	<b>\$</b> 1,500.00	Assumes site requires one treatment by pest control co.				
5	Contaminated Water Disposal	4,000	Gallons	\$0.14	\$560.00	Assumes cost of transportation and disposal at appropriate facility. Includes cost of disposing volume in 2000 gallon storage tank, plus additional washdown.				
С	Secure Site									
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00					
D	Certification of Abandonement and Com	pletion of Clea	nup							
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00					
2	Sample/test/classify waste (ash, liquids, sludge, other waste not readily identifiable as garbage, trash, refuse). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00					
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated				
	Subtotal				\$69,060.00					
E	Contingency Cost (15%)				\$10,359					
	GRAND TOTAL				\$79,419					

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

3. Additional calculations for contaminated water disposal are included on Page III-3A-3.

scs engineers February 2022

#### Highway 24 Transfer Station Contaminated Water Disposal Cost

Description	Value/Cost	Units
Mileage from site to Greenville Wastewater Treatment Plan	14	miles
Mileage for roundtrip	28	miles
Cost per mile (i.e., hauling cost per miling including profit for hauler)	\$5.00	
Size of truck (gallon capacity)	6,000	gallons
Disposal fee (per gallon) charged by WWTP <sup>1</sup>	\$0.100	
Contaminated Water Volume (including washdown)	4,000	gallons
Truck Trips	1.00	trips
Hauling Cost (i.e., mileage cost)	\$140.00	
mileage cost/gallon	0.04000	/gallon

#### Total cost per gallon (including hauling and disposal)

\$0.140 /gallon

1. Based on experience at various WWTPs.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

**SCS ENGINEERS** 

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 Revision 3: February 2022 SCS Project No. 16219083



Applicant's Ex. 1, p. 000474

#### **TABLE OF CONTENTS**

<u>SECT</u>	ION			PAGE						
1	INTR	RODUCI	10N	IV-1						
	1.1	1.1 General Facility Design								
	1.2	Gener	al Facility Operation	IV-1						
	1.3	1.3 General Facility Personnel								
		1.3.1	Transfer Station Manager	IV-2						
		1.3.2	Equipment Operators	AN R. KUNTZ						
		1.3.3	Gate Attendants	104689 0-1 CENSED IV-3						
		1.3.4	Laborers	2/17/2022 IV-3						
	1.4	Gener	al Facility Equipment	SCS Engineers						
		1.4.1	Equipment for Emergencies	TBPE Reg. # F-3407 IV-4						
2	WA	STE AC	CEPTANCE AND ANALYSIS (30 TAC §33	0.203) IV-5						
	2.1	Waste	IV-5							
	2.2	Measu	res for Controlling Prohibited Wastes	IV-7						
		2.2.1	Managing of Prohibited Wastes	IV-8						
		2.2.2	Load Inspection Procedure	IV-9						
	2.3	Waste	e Acceptance Rate	IV-9						
	2.4	Waste	Storage and Processing Time	IV-10						
	2.5	Waste	e Disposal	IV-10						
	2.6	Waste	e and Effluent Testing	IV-10						
3	FAC	ility - C	GENERATED WASTES (30 TAC §330.205	5)IV-11						
4	CON		ATED WATER MANAGEMENT (30 TAC §	§330.207)IV-12						
5	STO	RAGER	EQUIREMENTS (30 TAC §330.209)	IV-13						
6	APP	ROVED	CONTAINERS (30 TAC §330.211)	IV-14						
7	CITIZ	zen's c	OLLECTION STATION (30 TAC §330.21	3)IV-15						
8	REQ	UIREME	NTS FOR STATIONARY COMPACTORS	(30 TAC §330.215)IV-16						

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site SecurityIV-22
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227) TBPE Reg. # F-3407.IV-25
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

scs engineers February 2022

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

#### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### APPENDICES

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

## 1 INTRODUCTION

This Site Operating Plan (SOP) for the Highway 24 Transfer Station has been prepared based on Title 30 of the Texas Administrative Code (30 TAC) Chapter 330, Subchapter E. The Highway 24 Transfer Station (facility) is a Type V municipal solid waste transfer station owned and operated by Transfer Station Solutions, LLC (TSS). The purpose of this SOP is to provide general instruction to site management and operating personnel throughout the operating life of the facility. This document provides an operating guide for site management to maintain the facility in compliance with the engineering design and applicable regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) or appropriate successor agency, to protect human health and the environment, and to prevent nuisances. This plan is formatted to follow the regulatory criteria set forth in 30 TAC §330.201-249 (Subchapter E of the TCEQ Municipal Solid Waste Regulations). The plan may also serve as a reference source to assist in personnel training. This SOP and the permit will be kept onsite throughout the facility's life.

If, at any time during the life of the transfer station, the facility manager becomes aware of any condition in the approved SOP which necessitates a variation from the SOP to accommodate new technology or improved methods which makes it impractical to keep the facility in compliance with the SOP, the site owner will submit a revised SOP to the TCEQ. Such proposed changes to the approved SOP may require a modification to the Highway 24 Transfer Station permit application in accordance with 30 TAC §305.70 or an amendment to the permit application in accordance with 30 TAC §305.62. The appropriate modification/amendment will be submitted for action by the TCEQ.

#### 1.1 GENERAL FACILITY DESIGN

The transfer station site includes the transfer station structure with a scale house/office and vehicle scales. The inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The facility will include a water tank, a contaminated water holding tank, stormwater drainage features, and a fence with locking gates. The transfer station structure is a single-level, building with a processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floor, steel framing, metal exterior walls/panels, and a roof. Figure III-1.5 shows the location of the metal exterior walls and the doors of the building. The general design and construction details for the building components are included in Part III, Attachment 1, including a Site Layout Plan provided on Figure III1.1. The construction layout and building components are shown in Figures III-1.4 through III-1.7.

#### 1.2 GENERAL FACILITY OPERATION

It is anticipated that incoming waste will mostly come in collection trucks (front-end- and rearend-loaded) and in roll-off boxes, with a lesser component received directly from small vehicles, dump trucks or end-dump style semi-tractor trailers. Waste collection vehicles will enter the site and be weighed at the scale. The gate attendant will screen incoming loads for their contents and acceptability and then direct these vehicles to the transfer station structure. Acceptable wastes will be off-loaded onto the tipping floor, inspected for prohibited wastes, and then loaded with site equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

#### 1.3 GENERAL FACILITY PERSONNEL

#### 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class B license, as defined in 30 TAC §30.210.

#### 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of

non-employees and other persons while on the premises. Equipment Operators will be trained to check for and identify prohibited wastes, and to alert the Transfer Station Manager for proper removal. Equipment Operators monitor and direct unloading vehicles and are also responsible for maintenance, litter abatement, and general site cleanup. The Equipment Operators intervene as necessary to prevent accidents and report unsafe conditions immediately to the Transfer Station Manager. Examples of their daily responsibilities may include, but are not limited to: loading materials into transfer trailers and using equipment to sweep the tipping floor. The Transfer Station Manager or designated representative will supervise the equipment operations.

**Qualifications:** At a minimum, be capable of fulfilling the obligations and duties described under this section. Equipment Operators that are hired on the basis of specific heavy equipment experience may be assigned to operate specific types of equipment without additional training.

#### 1.3.3 Gate Attendants

The Gate Attendants will manage the scale house to receive waste. The gate attendants will perform the following tasks: control site access and screen incoming waste; visually inspect open containers to verify contents, including inquiring/checking for prohibited waste; dispense information on the proper utilization of the site; assess tipping fee charges; maintain records of each transaction and vehicles entering the facility; and direct persons to the transfer station structure as appropriate. The Transfer Station Manager or designated representative will supervise the Gate Attendants.

**Qualifications:** Will be required to have experience and education commensurate with job requirements, as described above, and computer literacy skills. If the new employee does not have previous transfer station experience, he/she will be required to complete a training program or on-the-job training specific to their job responsibilities, prior to working in an unsupervised position.

#### 1.3.4 Laborers

Laborers will provide miscellaneous operations support at the transfer station. This support will include, but is not limited to: sweeping the operations areas using manual equipment, performing facility wash-down, collecting and disposing of windblown litter, performing general equipment and building maintenance, and directing vehicles in the unloading areas. Other site personnel or Laborers may be employed from time to time in categories such as maintenance, litter abatement, and general site cleanup. The minimum qualifications for Laborers are the demonstrated abilities to perform assigned duties in a safe and effective manner. The Transfer Station Manager and/or the Equipment Operators will supervise the Laborers.

#### 1.4 GENERAL FACILITY EQUIPMENT

Sufficient equipment will be provided to have adequate capability to conduct site operations in accordance with the design and conditions of the Site Development Plan (SDP) and this SOP.

The facility will typically use one bucket front-end loader and one raised-cab basket grapple loader with a scale (or similar materials handling equipment) for the transfer operations. The minimum equipment required to operate the facility is one front-end loader. Collection vehicles will unload MSW within the transfer station on the tipping floor. A front-end loader will typically push the

MSW towards a grapple loader (or similar materials handling equipment), which will transfer the MSW from the tipping floor into the transfer trailers or directly load waste from tipping floor to transfer trailers. The facility will have a permitted maximum rate of waste acceptance of 1,000 tons per day.

The facility will provide sufficient equipment if the volume of daily waste transfer will require additional equipment. Additional company-owned or rental equipment, such as road tractors, water trucks, and backhoes, may be provided as necessary to enhance operational efficiency. At infrequent times, such as during equipment breakdown or periodic maintenance, additional equipment stationed at other company facilities will be transported to the transfer station as needed. Other equivalent types of equipment may be substituted on an as-needed basis to adequately maintain the transfer station and meet the operational standards required by the TCEQ's regulations in accordance with all applicable local, state, and federal regulations.

#### 1.4.1 Equipment for Emergencies

Each major piece of equipment, scale house, and transfer station structure will be equipped with fire extinguishers. The on-site water tank will be available for firefighting purposes. A first-aid kit will be maintained at the site. Personal Protective Equipment will be supplied to the operators and laborers, as needed.

# 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)

#### 2.1 WASTE SOURCES AND CHARACTERISTICS

This transfer station is authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste and certain special waste that are described in this section. Special waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. The parameter limitations, as required by \$330.203(a), applicable to this facility are associated with the types or classification of waste not accepted at the transfer station as described below and Section 2 of Part IV, Appendix IV-1 – Waste Acceptance Plan.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste;
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors;
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit);
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls;
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. The following special waste that do not interfere with site operations will be accepted at this facility:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste on a case by case basis;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate; and

- Non-RACM Incidental amounts of non-regulated asbestos containing materials (Non-RACM) (incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight).
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.
- Construction or Demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics;
- Class 2 Industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination); and
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes, referred to herein as prohibited wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
  - Class 1 non-hazardous industrial waste;
  - Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
  - Septic tank pumpings;
  - Grease and grit trap wastes;
  - Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing

any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);

- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

A Waste Acceptance Plan (WAP) is included in Part IV, Appendix IV-1. Other limiting parameters, as well as procedures for coordinating with the landfill receiving any special wastes from the transfer station, are addressed in Section 2 of the WAP.

#### 2.2 MEASURES FOR CONTROLLING PROHIBITED WASTES

In order to address the detection and prevention of regulated hazardous wastes as defined in 40 Code of Federal Regulations (CFR) Part 261 and of polychlorinated biphenyls (PCB) waste as defined in 40 CFR Part 761, a Waste Screening Plan (WSP) and exclusion program will be implemented at the transfer station. The purpose of the program is to:

- 1. Prevent the unauthorized entry and disposal of wastes not approved by the rules and regulations of the TCEQ and the facility Permit
- 2. Protect the site operating personnel and customers using the facility
- 3. Maintain regulatory compliance

- 4. Assure that the site and surrounding areas are protected from possible contamination from prohibited wastes
- 5. Provide implementation procedures for the detection and exclusion program.

Procedures to detect and control the receipt of prohibited wastes include:

- 1. Informing facility customers and drivers of incoming hauling vehicles of prohibited wastes by posting one or more signs at the facility entrance listing prohibited wastes
- 2. Providing customers and drivers of incoming hauling vehicles (regular and occasional) with a written list of prohibited wastes
- 3. Training facility personnel:
  - Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste and PCB waste
  - Conducting random inspections of incoming loads in accordance with procedures described in this section
  - Maintaining records of all inspections

Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gate attendant and equipment operators will be trained in inspection procedures for prohibited waste. Supervisors will provide personnel with on-the-job training. Records of employee training on prohibited waste control procedures will be maintained in the site operating record.

If transfer station personnel identify any of the above indicators in an incoming load, then that load will be directed to an area out of the flow of traffic and facility personnel will further assess the load. If the load is determined to contain prohibited waste, then the load will be rejected and directed back to the generator.

#### 2.2.1 Managing of Prohibited Wastes

Known prohibited wastes detected during inspection are returned immediately to the hauler. If the hauler is not available, the waste will be placed in suitable collection bins. An effort is first made to identify the entity that deposited the prohibited wastes and have them return to the site and properly disposed of the waste material. In the event that identification of the source is not possible, the Transfer Station Manager will manage the waste so it is disposed of properly; however, the waste will not be allowed to remain on the site in the collection bins for more than 72 hours.

In the event unauthorized waste is not discovered until after the collection vehicle that delivered it is gone, the site will attempt to segregate the unauthorized waste and manage it properly as directed by the Transfer Station Manager. The site will, if necessary, notify the TCEQ and seek guidance on how to dispose of the waste. Documentation will be included in the site operating record each time unauthorized or prohibited waste is discovered and removed from the site. Site personnel will have a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements.

Unknown wastes undergoing analysis are properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

#### 2.2.2 Load Inspection Procedure

An Equipment Operator in the transfer station will visually inspect all incoming loads. Should any indication of prohibited waste be detected, appropriate personnel will conduct a thorough evaluation of the load. The driver is directed to a load inspection area in an unused area of the tipping floor where the load is discharged from the vehicle. The inspector breaks up the waste pile and inspects the material for any hazardous or prohibited waste. Facility personnel flag suspicious wastes. Known prohibited waste is placed back into the vehicle and the driver is instructed to depart the site. Should any regulated hazardous waste be detected, the entire load will be refused.

Reports of load inspections are completed for each inspected load. The reports include (at a minimum), the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, the contents of the load, the indicators of prohibited waste, and the results of the inspection.

In addition to the above procedure, incoming loads are inspected on a random basis. At a minimum, the transfer station will randomly inspect one percent of all incoming loads (not to be less than one incoming waste vehicle) per day. The driver of a randomly selected load will be notified at the scale house and instructed to proceed to the inspection area of the tipping floor that is out of the flow of normal transfer station traffic. At this point, the operator will visually inspect the contents of the load and document the contents for the type of waste contained. Following any random inspection, documentation of the inspection will be placed in the site's operating record. The documentation will include information such as the date, time, name of inspector(s), transporter/generator information, and waste information.

#### 2.3 WASTE ACCEPTANCE RATE

It is anticipated that the transfer station facility daily waste rate will not exceed 1,000 tons per day. An estimate of the amount of waste to be received daily, by waste type, is as follows:

	i y bi masic i ypes
Wasta Typa	<b>Estimated Daily</b>
waste Type	Amount
MSW	50% to 100%
C & D	0% to 50%
Special Wastes	0% to 25%
Yard Waste	0% to 25%
Class 2	0% to 25%
Class 3	0% to 25%

#### Table IV-3 Summary of Waste Types

These waste amounts are only estimates and are not intended to be a limitation or constraint on the site operations.

#### 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

#### 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream for proper management either through recycling per 30 TAC Chapter 328 of the TCEQ regulations or transported to permitted landfills where they will be split in half, quartered or shredded prior to disposal.

#### 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in \$330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in \$330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

## 3 FACILITY - GENERATED WASTES (30 TAC §330.205)

The only wastes that the transfer station will generate are the contaminated water from the floor wash down process, incidental liquids in the trucks, and the waste in the portable sanitary facilities. The characteristics and approximated constituent concentrations of the waste in the portable sanitary facility will consist of only human waste and approved deodorizing chemicals utilized by an approved portable toiler provider. Portable sanitary facilities will be maintained in accordance with instructions from the providers of such facilities.

Also, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system. At the appropriate times, the owner will engage appropriately-trained contractors for maintenance of that system.

The contaminated water (wastewaters) from incidental liquids in the trucks and the floor wash down process will be managed in accordance with §330.207 as described in Section 4.0 of this Site Operating Plan. The transfer station will maintain documentation in the Site Operating Record indicating that the contaminated water as well as the portable sanitary waste was (1) removed from the facility by a licensed or permitted entity eligible to receive and dispose of such wastes and (2) disposed of at a wastewater treatment facility permitted by the TCEQ. The facility will not generate sludges, therefore the requirements of §330.205(d) do not apply.

## 5 STORAGE REQUIREMENTS (30 TAC §330.209)

Solid waste entering the facility will be stored in the covered TS structure or loaded in transfer trailers. All solid waste will be stored in a manner to prevent fires, ensure safety, prevent and control vectors and odors, and contained to prevent windblown solid waste and litter.

No solid waste loading, storage, or disposal will occur within any easement, buffer zone, or rightof-way that crosses the facility. When necessary, MSW material will be stored onsite for a maximum time not to exceed 48 hours, except on holidays and/or weekends, where it will not exceed 72 hours. The volume of MSW stored overnight will not exceed 500 tons. Waste that is stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Tarping of segregated recyclable materials will not be required. No solid waste unloading, storage, disposal, or processing operations will occur within any easement, buffer zone, or rightof-way.

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility. The water tank will be maintained with a minimum water level of 75% of the total capacity, with the exception of immediately after use. To ensure adequate pressure to reach the far corner of the tipping floor, the tank will also be equipped with a booster pump. The water tank will be connected to a 100 gallon per minute (gpm) pump with pressure controls that are connected to a Class III standpipe (consistent with National Fire Protection Association [NFPA] fire code NFPA-1 – Fire Code). The standpipe and pump system will be capable of providing 100 gpm at 100 psi through a 1.5-inch diameter fire hose. The standpipe, pump, and hose system will be installed consistent with NFPA 14 - Standard for the Installation of Standpipes and Hose Systems.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;
- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

#### 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

### 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter throughout the facility will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

# 23 VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)

Ventilation will be provided in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's design and high ceiling will provide ample passive ventilation. Dust and particulates that may occur in the building will be controlled, as needed, using water sprays, mist systems, or similar methods.

A minimum 50-foot buffer will be provided between the transfer building and the site boundaries to minimize the likelihood of nuisance odors from leaving the boundary of the facility. If, at any time, nuisance odors are found to be passing the facility boundary, the owner or operator will modify waste transfer operations to reduce the time waste is accumulating on the tipping floor. If modified transfer operations do not succeed in abating odors, the owner or operator will employ and properly maintain/operate odor control equipment. If necessary, the facility will suspend operations until the nuisance has been properly abated.

The facility will ensure that the operation of the facility does not violate any applicable requirements of the approved state implementation plan developed under the Federal Clean Air Act, Section 110, as amended, and TAC 330.15(d), which prohibits the burning of waste. Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. Air emissions and odors will be controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. Appropriate authorization under Chapter 116 or Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Station), as applicable, will be obtained prior to operating the transfer station. Reporting emissions events, if applicable, will occur in accordance with 30 TAC §101.201 and reporting scheduled maintenance will occur in accordance with 30 TAC §101.211.

No waste loading, unloading, processing, or disposal will occur outside the building. All liquid and solid waste shall be stored in odor-retaining containers and vessels. A minimum 50-foot buffer will be provided between the transfer building and the site boundaries. The owner's additional measures to prevent and control potential odors being generated and migrating off site include the following:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor
- Draining the contaminated water tank
- Use of cover tarps in the event waste is stored overnight in the transfer station
- The deployment of a deodorizing system at appropriate locations, if necessary.

The site will be graded to prevent the ponding of water in improper locations which are not part of the drainage system. The on-site drainage structures will be maintained to promote positive drainage, thus minimizing any nuisance odors associated with stagnant water.

Washwaters will not be allowed to accumulate on the tipping floor. Washwater will be managed consistent with the procedures outlined in Section 4 of this Site Operating Plan.

## SCS ENGINEERS

November 24, 2021 SCS Project No. 16219083

Mr. Steve Odil Municipal Solid Waste Permits Section Waste Permits Division (MC-126) Texas Commission on Environmental Quality 12100 Park 35 Circle, Bldg. F Austin, TX 78753

Re: Proposed Highway 24 Transfer Station – Hunt County, Texas Municipal Solid Waste - Permit Application No. 2411 Technical Notice of Deficiency Response Tracking No. 26522173; RN111320396/CN605924968

Dear Mr. Odil:

On behalf of the Transfer Station Solutions, LLC, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) October 8, 2021 Technical Notice-of-Deficiency (NOD) letter, related to a permit application for the proposed Highway 24 Transfer Station, TCEQ Permit No. MSW-2411.

For ease of review, we have attached to this response letter your original comment table from your October 8, 2021 NOD letter with the response location and response statements provided in separate columns in the table.

Additionally, attached to this response letter, we have included one original and three (3) additional copies, for use as replacement pages in the permit application. Where possible, we have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (November 2021) and revision number (Revision 2) on pages that have been revised as part of this NOD response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

Lastly, you will note that we have included a supplemental revision to the application for the following:

- Revised Supplementary Technical Report to clarify the description of SH 24; and
- Revised Appendix I/II-D Land Owners List to correct land ownership of property 19.

We trust that our responses will assist you in the completion of your technical review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Mr. Steve Odil November 24, 2021 Page 2

Sincerely,

Andrew Ard, E.I.T. Project Professional SCS Engineers TBPE Registration No. F-3407

Ryan Kuntz, P.E. Vice President/Satellite Office Manager SCS Engineers

Attachments: as described herein

cc: Mr. Josh Bray, Transfer Station Solutions Ms. Erin Gorman, Waste Section Manager – TCEQ Region 4 NOTICE-OF-DEFICIENCY RESPONSE TABLE

## Application Deficiencies – Technical NOD #1

$\mathbf{ID}^{1}$	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T1	1	Gen.	330.57(a) & (b)	Parts I/II, III, and IV	Comment Only	Avoid using "proposed" or similar terms in the application. If the permit is issued this terminology becomes potentially confusing.	Parts I/II	The application has been revised to remove language indicating a "proposed" facility.
T2	64	Part I	330.57(i)(1)		Incomplete	Update the application posted online with changes from the administrative review and maintain with changes from technical review.	N/A	The application has been posted online. The original application and all subsequent revisions are posted online at following link: <u>https://www.scsengineers.com/state/</u> <u>hwy-24-transfer-station/hwy-24-</u> <u>transfer-station-permit-application/</u>
Т3	79	Part I	305.45(a)(6)( A)		Incomplete	Address rule for wells and springs. If none are present within one mile, indicate this on an appropriate figure.	Appendix I/II-C	Water wells shown Appendix I/II-C – Oil and Water Well Location Summary. No springs are located within the one- mile radius of the facility.
T4	94	Part I	330.59(e)		Incomplete	Clarify whether any individual owns greater than 20% of Transfer Stations Solutions, the sole owner of the proposed facility, as anyone owning more than 20% of the sole owner is an entity owning more than 20% of the proposed facility.	Part I/II, Section 1.5	Josh Bray is the sole owner and the only principal of Transfer Station Solutions (see also response to Comment T8).
Τ5	96	Part I	330.59(f)(1)		Incomplete	Address rule for the applicant. Clarify that the list provides all required information. Information provided is for Josh Bray, President.	Part I/II, Evidence of Competency	The Evidence of Competency table has been revised to include counties and dates of operation of the facilities under Josh Bray's management.
Т6	97	Part I	330.59(f)(2)		Omitted	Address rule for the applicant. Clarify that the list provides all of the required information. If there are none, state that.	Part I/II, Evidence of Competency	Josh Bray holds a minor, non- controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operation today.
T7	98	Part I	330.59(f)(3)		Incomplete	Clarify whether Mr. Bray will be employed at the proposed facility or make clear that an employee of the facility will be a licensed MSW Supervisor. Consider committing to an A or B license.	Part I/II, Evidence of Competency	Josh will either serve as the licensed solid waste facility supervisor (See Class A MSW Operator license in the original application submittal), or he will hire a manager with required credentials.
T8	99	Part I	330.59(f)(4)		Incomplete	Address rule. If Mr. Bray is the only principal or supervisor, state that.	Part I/II, Section 1.5	Yes, Josh is only principal.

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
Т9	124	Part II	330.61(b)(1)	Section 2.2	Incorrect	Provide limiting parameters, such as 1,500 mg/kg TPH. Review WAP Form for Type I landfills for suggestions.	Parts I/II, Section 2.2.1 and Part IV, WAP, Section 2.	The 1500 mg/kg TPH limit has already been indicated on page I/II-7. Other limiting parameters are detailed in Part IV, Appendix IV-1 - WAP, Section 2, as indicated by new reference in Part I/II, Section 2.2.1.
T10	134	Part II	330.61(h)(3)	Section 3.1.3 and 3.1.4	Incomplete	Provide directions of development for communities within 5 miles.	Part I/II, Section 3.1.4	Regarding growth trends, it was confirmed through discussions with Hunt County that there have not been any plats for developments within five miles of the transfer station, as of November 2021.
T11	141	Part II	330.61(i)(4)	Appendix I/II-A.3	Incomplete	Provide conclusive coordination information with TxDOT, including Form 1058 and final response from TxDOT. Provide coordination with Hunt County. Consider coordinating with max traffic counts, not initial traffic counts.	Part I/II, Section 3.2.3 and Appendix I/II-A.3	TxDOT response was provided with Admin NOD Response. Per telephone communication with TxDOT Greenville Area Office, Form 1058 can be submitted with a conceptual layout of the proposed entrance improvements before or after TCEQ permit is issued at Permittee's preference. Nevertheless, we are proceeding with the submittal of Form 1058 to the TxDOT at this time. Since the access for the site is already addressed in TxDOT Permit No. 67-17, this will be an improvement to the existing permitted entrance rather than a new entrance to HW 24. TxDOT's latest traffic counts were in 2019. In our initial July 2021 letter to TxDOT, the maximum increase in traffic was communicated to TxDOT. As reflected in this letter and the application, the projected maximum number of round trips generated by the facility is estimated to be 1.7% of TxDOT's estimated 2019 traffic count for this segment of HW 24. As indicated in the 11/05/2021 e-mail from James Atkins, P.E., Area Engineer for TxDOT's Greenville office, the gross vehicle weight limit for HW 24 is 80,000 pounds. The vehicles using this transfer station will comply this limit.
T12	165	Part II	330.61(n)(1)	Section 3.6	Incomplete	Provide acknowledgement of the second sentence of 330.61(n)(1).	Parts I/II, Section 3.6	Additional language has been added to provide acknowledgement that no impact to critical habitat of endangered species will occur due to the facility.

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T13	168	Part II	330.61(p)	Appendix I/II-A.1	Incomplete	Provide the response from NCTCOG.	Appendix I/II-A.1	By letter of November 10, 2021, the Resource Conservation Council (RCC) of the North Texas Council of Governments (NCTCOG) "found the permit application for the Highway24 Transfer Station to be consistent with the goals of the Regional Management Plan."
T14	170	Part II	330.61(g)	Figure I/II-5	Incomplete	Address rule. One-mile radius is based on the permit boundary, not the center of the property. Correct Table I/II-3.1 if required. Provide hatching that allows distinction between water features and open areas.	N/A	Figure I/II-5 shows a one-mile radius from the permit boundary and not from the center of the property. Additionally, the ponds/water bodies are shown in a blue dotted hatch. As such, no changes were made to the radius or hatching.
T15	173	Part II	330.61(c)(3)	Figure I/II-5	Incomplete	Provide a figure that illustrates all structures w/in 500 feet.	Figure I/II-5	Figure I/II-5 has been revised to include a line showing the 500-foot radius from the permit boundary, and two structures located within that area. Note, the structure northeast of the transfer station property is owned by Mr. Josh Bray.
T16	178	Part II	330.61(c)(8)	NA	Omitted	Provide FAA map to address rule.	N/A	30 TAC §330.545 includes certain restrictions on locating landfills near airports; it is our understanding that this rule does not apply to transfer stations. 330.61(c)(c) refers to maps " <i>as necessary</i> to accurately show proximity to surrounding features". Since airports are not relevant to the siting of transfer stations, in our view, information on airports appears to be irrelevant or unnecessary. In the interest of not adding unnecessary information to the application, we respectfully request your consideration of this point of view.
T17	180	Part II	330.61(c)(10)	NA	Incomplete	Explain gates on north and east fence lines.	Part I/II Drawings, Part III, Section, 2.1.2, and Part IV, Section 12	Part IV, Section 12 was revised to indicate "The gates on the north and east permit boundaries are to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules." As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

Page **3** of **9** 

$\mathbf{ID}^{1}$	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T18	216	Part II	330.553(b)(2) (A) - (D)	Appendix I/II-B	Omitted	Provide acknowledgement.	Part I/II, Section 3.5.2	Additional language has been added to provide acknowledgement that no impact on water or environment will occur due to facility
T19	225	Part II	330.551(a)	Section 3.6	Omitted	Provide acknowledgement.	Part I/II, Section 3.6	Additional language has been added to provide acknowledgement that no impact to critical habitat of endangered species will occur due to the facility.
T20	229	Part II	330.543(a)	Yes	Omitted	Provide acknowledgement. Water tank lies within buffer. While not a waste unit, this tank appears to obstruct safe passage for emergency vehicles.	Figures I/II- 6, III-1.1, III- 1.3,	Water tank has been relocated outside of the buffer area, as shown on the appropriate figures.
T21	272	Part III	330.63(b)(2)( A)	Drawing 1.2	Incomplete	Provide for waste screening at scale house. Rejected waste at the gate should be returned to the transporter or generator in accordance with 330.225(c). This should be reflected in the flow diagram.	Figure III-1.2	Figure III-1.2 has been revised to include waste screening, consistent with Part IV, Section 1.2.
T22	275	Part III	330.63(b)(2)( D)	Section 2.2.4 and Drawings III- 1.4, III-1.5, III-1.7, and III-1.8	Incomplete	Explain how you will be able to manage odors, health hazards, other nuisances, and windblown waste, as required, with two open walls.	N/A	In our view, a principal cause of odors is the time duration of the MSW on the floor of the transfer station. The design of this TS promotes efficient loading of MSW into transfer trucks and efficient movement of collection trucks through the TS. In our experience with similar, two- sided transfer stations, we have found that the two-sided structure does not increase odors. In addition to the operating provisions noted on Section 23 (related to ventilation and air pollution control) and Section 26 (related to disease vector control) of the Site Operating Plan, the efficient movement of waste from the transfer station floor to transfer trailers and not allowing waste to accumulate within the building will minimize odors and vectors (other nuisances) from the facility. Sections 23 and 26 also includes the procedures to be implemented if at any time nuisance odors were to be found to be passing the facility boundary or use of an exterminator for vectors, respectively. See response to T42 and T46 regarding changes in fencing and related changes to address improved litter control.

ID¹	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T23	278	Part III	330.63(b)(2)( F)	Drawings III- 1.4, III-1.5, and III-1.8.	Incomplete	Explain any curbing at building openings and seals between walls and the floor to control fluids in waste loads.	Figure III-1.4	Figure III-1.4 was updated to emphasize that the entire tipping floor will be graded to drain towards the grit trap and sump. Furthermore, since the wall of the building near the sump (i.e., the low point on the transfer station floor near the middle of the west wall) is in contact with the transfer station floor, there is no need to further control fluids at that point. As such, seals at the walls of the facility is not necessary.
T24	281	Part III	330.63(b)(2)(I )	Section 2.25	Incomplete	Explain how you will be able to manage noise and provide visual screening as required under this rule with two open walls.	Part III, Sections 2.1.2 and 2.2.5, and Figures I/II-6 and III-1.1	Part III, Section 2.2.5 was revised to indicate "Visual screening is provided by the location of the transfer station being located approximately 675 feet from HW 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore, an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties shown on Figures I/II-6 and III-1.1." The earthmoving operation of the adjacent property is or will be located on property to the north, east, south and west of the transfer station. As such, Section 2.2.5 was also revised to indicate "The primary noise source of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with the lowest possible noise consistent with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well."
T25	711	Part III	330.461(c)(2)	Attachment 3, Section 3.0	Inconsistent	Delete the 2nd paragraph of Section 3 of the Closure Plan or explain its need. This text does not appear to apply to this facility.	Part III, Att. 2, Section 3.0	Attachment 2 is the Closure Plan. As such, the referenced paragraph was removed from Attachment 2, Section 3.
T26	743	Part III	330.505(a)(2) (A)	Attachment 3, Table III- 3.1	Incomplete	The application proposes a facility that receives up to 1,000 tons per day of waste. Explain how 500 tons was chosen for closure costs as the maximum waste that could be onsite.	Part III, Att. 3, Table III- 3.1 and Appendix III- 3A	Closure cost estimate spreadsheet has been updated to reflect 1,000 tons of waste at the time of closure.

ΙD <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T27	744	Part III	330.505(a)(2) (B-(C)	Attachment 3, Section 2.0	Incomplete	Figure III-1.7 indicates that the contaminated water tank will hold a minimum of 2,000 gallons. Once you have determined the maximum volume for this tank, provide disposal of wastewater.	Part III, Section 2.3.2, and Attachment 3	Part III, Section 2.3.2 has been revised for the basis for specifying the tank size of 500-gallon (minimum) to 2,000-gallon (maximum); clarification on use of approved TCEQ haulers and disposal facilities has been added; and disposal costs for the tank have been added to the cost estimate in Attachment 3.
T28	989	Part IV	330.203(a)	Section 2.1	Incomplete	Explain how the special wastes that will be accepted at the transfer station will be managed to ensure that receiving disposal facilities will be able to manage in accordance with special waste disposal rules.	Part IV, Appendix IV- 1, Section 2.0	In reviewing special waste requests, the transfer station manager will review the waste acceptance plan for the disposal facility that is scheduled to receive the special waste to confirm that the special waste is included in those waste streams approved for disposal at that facility. If there are any questions about the acceptability of the special waste, the transfer station manager will clarify the matter with the disposal facility manager prior to approving the special waste at the transfer station, as outlined in the Waste Acceptance Plan.
T29	990	Part IV	330.203(b)	Section 2.3 and 2.4	Incomplete	Address rule. Section 2.5 indicates that whole tires could be disposed or recycled. Explain whether any of these activities are proposed onsite and how they are authorized.	Part IV, Section 2.5	Section 2.5 has been revised to reflect that whole scrap tires will be removed from the waste stream for proper management either through recycling per 30 TAC Chapter 328 of the TCEQ regulations or transported to permitted landfills where they will be split in half, quartered or shredded prior to disposal.
T30	1012	Part IV	330.207(a)	-	Incomplete	Consider inspections more frequent than monthly for the contaminated water outdoor sump, storage tank, and associated piping. Provide secondary containment for exposed components.	Part IV, Section 4.0 and Figure III-1.7	Part IV, Section 4.0 has been revised to include inspection twice monthly for the tank, sump, and piping. Exposed components such as tank and piping will be dual-contained, as reflected by revisions to Section 4 and Figure III- 1.7.

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T31	1022	Part IV	330.207(g)	NA	Omitted	Address rule. Rule is not limited to grease, grit, or septage processors.	Part IV, Section 4.0	Part IV, Section 4 was revised with: "Furthermore, consistent with 30 TAC §330.207(g), the concentration of oil and grease of wastewater to be hauled to a permitted treatment facility will not exceed 200 milligrams per liter or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System."
T32	1027	Part IV	330.211	Section 6.0	Omitted	Provide containers for storage of all waste containing food waste that address all provisions under this section or provide an enclosed building.	Part IV. Section 6.0	MSW, including food waste, unloaded at this transfer station will be loaded on to transfer trailers in an efficient manner. As noted in Section 5 of Part IV, the limited waste that may be stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Transfer trailers meet the requirements of §330.211 as indicated by the revision to Section 6. Additionally, any waste stored in the building overnight will be under roof (not exposed to precipitation) on a concrete tipping floor which drains to a grit trap and sump for conveyance of any generated contaminated water to the contaminated water holding tank.
T33	1038	Part IV	330.219(b)(8)	Section 10.0	Omitted	Address rule.	N/A	§330.219(b)(8) is addressed under Table IV-4 and describes how the site will record retention provisions for trip tickets; appropriate reference to §312.145 has been added.
T34	1041	Part IV	330.219(c)(2)	Section 10.0	Omitted	Address rule.	Part IV, Section 10.0	Section 10.0 has been revised to be consistent with the rule.
T35	1052	Part IV	330.221(a)	Section 11.0	Incomplete	Determine minimum height of water in storage tank to ensure that water under pressure can reach to far corner (~230 feet) of the tipping floor.	Part IV, Section 11.0	Part IV, Section 11 has been revised with the following: The water tank will be maintained with a minimum water level of 75% of total capacity, with exception of immediately after use. Additionally, the water tank will also be equipped with a booster pump that will ensure adequate pressure to reach the far corner of the tipping floor.

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T36	1055	Part IV	330.223(a)	Section 12.0	Incomplete	Discuss gates on north and east permit boundaries illustrated in site layout figures.	Section 12.1	Section 12.1 was revised to indicate, the gates on the north and east permit boundaries are to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules.
T37	1056	Part IV	330.223(b)	Section 12.2	Incorrect	Remove text from 3rd bullet under Note 2 on Figure III-1.3 referencing "other road building material." If other options are being considered, provide them or a design specification for this material. Specifications must be adequate to address dust/mud control.	Figures I/II- 6, III-1.1, III- 1.3, and III- 1.6	The figures have been revised to remove reference to other road building material.
T38	1058	Part IV	330.223(c)	Section 12.1	Incomplete	330.223(c) exceeds 330.223(a) for fence design. Strike "and other artificial barriers" from Section 12. Address 4-foot requirement for barbed wire fence in Section 12.1.	Part IV, Section 12.0	Section 12 has been revised to remove reference to artificial barriers controlling access to the facility. Additionally, the perimeter fence will be 8-foot privacy fence.
T39	1070	Part IV	330.229(c)	Section 15.0	Comment Only	Text regarding disaster or emergency hours is not completely correct. Edit this text so that you are not limited to Regional Office approval for related temporary authorizations.	Part IV, Section 15.0	Section 15 has been revised to remove wording that indicated Regional Office Approval was required for temporary authorizations related to disaster or emergency hours
T40	1071	Part IV	330.231	Section 16.0	Comment Only	Consider adding waste acceptance hours or replacing operating hours with waste acceptance hours on the site sign.	Part IV, Section 16.0	Section 16 has been revised to include hours of waste acceptance on the facility sign instead of hours of operation.
T41	1072	Part IV	330.233(a)	Section 17.0	Incomplete	Replace locations listed for waste pickup with "throughout the facility."	Part IV, Section 17.0	Section 17.0 has been revised with the requested language.
T42	1074	Part IV	330.233(b)	Section 17.0	Incomplete	Address rule or enclose the transfer building. Barbed wire fencing does not address this provision.	Part IV, Sections 12.1 and 17.0, and Figures I/II-6, III-1.1, III-1.3, III-1.5 and III-1.6	We have revised appropriate figures and sections of the application to reflect that an 8-foot privacy fence will be provided on the permit boundary (with the exception of the fencing along the entrance road up to the entrance gate). Part IV has been revised to indicate installation of additional chain link fence and use of portable fences to enhance litter control on windy days.
T43	1075	Part IV	330.235	Section 18.0	Incomplete	Follow rule language regarding pickup of waste on roadways.	Part IV, Section 18	Section 18.0 has been revised to be consistent with §330.235.
T44	1077	Part IV	330.237(a)	Section 19.0	Inconsistent	Strike "or similar materials" from Section 19, or provide a design standard.	Part IV, Section 19	Section 19.0 has been revised to remove reference to similar roadway materials for use at the facility.
#### New Municipal Solid Waste Permit No. 2411 Transfer Station Solutions, LLC – Highway 24 Transfer Station

<b>ID</b> <sup>1</sup>	MRI ID <sup>1</sup>	App. Part	Citation	Location <sup>2</sup>	1st NOD Type <sup>3</sup>	NOD Description	Response Location	Response
T45	1078	Part IV	330.237(b)	Section 19.0	Incomplete	Provide necessary equipment for dust control.	Part IV, Section 19	In view of the paved access roads, dust is not expected to be a concern. However, dust control procedures, including contracting a street sweeper and/or water truck, will be utilized as needed.
T46	1080	Part IV	330.239	Section 20.0	Incomplete	Rule requires description. It is unclear how an open-sided building will provide for this rule.	Part IV, Sections 12.1 and 17.0, and Figures I/II-6, III-1.1, III-1.3, III-1.5 and III-1.6	The fence on the permit boundaries have been revised to indicate an 8-foot privacy fence (with the exception of the fencing along the entrance road up to the entrance gate) rather than "barbed wire or chain link fence." Also, the Part IV has been revised to indicate that additional chain link fence will be installed on the north and south ends of the transfer station building and portable fences will be used to enhance litter control on windy days.
T47	1081	Part IV	330.241(a)	Section 21.0	Inconsistent	Strike the parts of the second sentence of the third paragraph of Section 21 that appear to extend storage times to the time needed to make repairs.	Part IV, Section 21	Section 21.0 has been revised as requested.
T48	1093	Part IV	330.245(f)(1) - (4)	Section 23.0	Incomplete	As noted in 330.345(f)(2), consideration should be given to additional buffer, particularly for a facility with two open walls.	N/A	Our experience indicates that the proposed building design will not contribute to the creation of odors either on site or off-site. In our view, additional buffer will not be needed to comply with 330.245(f).

<sup>1</sup>Deficiency ID – Key: A#=Administrative deficiency (ex. A12); T#=Technical deficiency (ex. T10); C#=Comment only (ex. C1); Number in parenthesis (*n*) = *n*th instance of same deficiency (ex. T1(2) is the second instance of deficiency T1 originally identified in previous NOD).

<sup>2</sup>Location of deficiency in submittal/application. Items in square brackets [] refer to applicant's supplemental information submitted as attachments to the application form. <sup>3</sup>Possible Error Types, one of: Ambiguous, Incomplete, Inconsistent, Incorrect, Omitted, Typo, or Wrong Format. TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)

M:\Projects\16219083.00\NODs\Tech NODs\10-08-21\L2021.30.11 TSS, MSW-2411, Technical NOD Response.docx

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 11/24/2021

Texas Commission on Environmental Quality



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submittal					
🗌 Initial Submittal	Notice of Deficiency (NOD) Response				
2 Authorization Trues					
2. Authorization Type					
🛛 Permit	Registration				
3. Application Type					
🛛 New Permit 🗌 Perm	nit Major Amendment 🗌 Permit Major Amendment (Limited Scope)				
New Registration					
4. Application Fees					
Amount $\boxtimes$ \$2.050 for Pormits and Pormit Amondmonts $\square$ \$150 for Pogistrations					
Daymont Mothod					
	Check Online through ePay portal <a href="https://www3.tceq.texas.gov/epay/">https://www3.tceq.texas.gov/epay/</a>				
If paid online, enter ePay Trace Number: 582EA000443364					
5. Application URL					
Is the application submitted for a Type I Arid Exempt (AE) or Type IV AE facility?					
🗌 Yes 🛛 No					
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-transfe					

6. Application Publishing					
Party Responsible for Publishing Notice:					
Applicant Agent in Service Consultant					
Contact Name: Ryan Kuntz, P.E. Title: Vice President					
7. Alternative Language Notice					
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)					
8. Public Place Location of Application					
Name of the Public Place: Commerce Public Library					
Physical Address: 1210 Park Street					
City: Commerce County: Hunt State: TX Zip Code: 75428					
(Area code) Telephone Number: 903-886-6858					
9. Consolidated Permit Processing					
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?					
□ Yes					
If "Yes", state the other TCEQ program authorizations requested:					
10. Confidential Documents					
Does the application contain confidential documents?					
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."					

11. Permits and Construction Approvals				
Permit or Approval	Received	Pending	Not Applicable	
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$	
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$	
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$		
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$	
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$	
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$	
Dredge or Fill Permits under the CWA			$\boxtimes$	
Licenses under the Texas Radiation Control Act			$\boxtimes$	
Other (describe)				

#### 12. General Facility Information

Facility Name: Highway 24 Transfer Station					
Contact Name: Josh Bray Ti	tle: President				
MSW Authorization No. (if available): 2411					
Regulated Entity Reference No. (if issued)*: RN11	1320396				
Physical or Street Address (if available): 3491 Hw	y 24				
City: Campbell County: Hunt State: TX Zip Co	de: <b>75422</b>				
(Area Code) Telephone Number: 903-517-6268					
Latitude (Degrees, Minutes Seconds): 33°11'48.6"					
Longitude (Degrees, Minutes Seconds): 95°55'23.5"					
Benchmark Elevation (above mean sea level): 528	<b>3.547</b> ft.				
Provide a description of the location of the facility with respect to known or easily identifiable landmarks: <b>0.4 mile north of County Road 4317 on State Highway 24</b>					
Detail access routes from the nearest United State mile north of County Road 4317 on State High	s or state highway to the facility: <b>0.4</b> זיאמי 24				
*If this number has not been issued for the facility, complete a it with this application. List the Facility as the Regulated Entity.	TCEQ Core Data Form (TCEQ-10400) and submit				

13. Facility Type	e(s)			
🗌 Туре I	🗌 Туре	IV 🛛 Type V		
🗌 Туре I АЕ	🗌 Type IV AE	□ Туре VI		
14. Activities Co	nducted at the F	acility		
Storage	Processing	Disposal		
15. Facility Was	te Management	Unit(s)		
Landfill Unit(s	) [	Incinerator(s)		
Class 1 Landfi	ll Unit(s)	Autoclave(s)		
Process Tank(	s) [	Refrigeration Unit(s)		
Storage Tank	(s) [	Mobile Processing Unit(s)		
Tipping Floor		Type VI Demonstration Unit		
Storage Area		Compost Pile(s) and/or Vessel(s)		
Container(s)		Other (specify):		
Roll-off Boxes		Other (specify):		
Surface Impo	undment	Other (specify) transfer station		
16. Description	of Proposed Faci	lity or Changes to Existing Facility		
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an amendment. non-hazardous waste transfer station				
17. Facility Cont	act Information			
Site Operator (	Permittee/Reais	trant) Name: Transfer Station Solutions. LLC		
Customer Refere	nce No. (if issued)	*: CN <b>605924968</b>		
Contact Name: J	osh Bray	Title: President		
	-			
Mailing Address:	P.U. 6427			

City: Paris County: Lamar State: TX Zip Code: 75461

(Area Code) Telephone Number: 903) 517-6268

Email Address: joshbray@suddenlinkmail.com

TX Secretary of State (SOS) Filing Number: 802693685

\*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.

	Operator Name <sup>1</sup> : Same as Site Operator / Permittee					
Customer Reference No. (if issued)*:						
	Contact Name:	Т	itle:			
	Mailing Address:					
	City: County:	State:	Zip Code	:		
	(Area Code) Telephone Nu	umber:				
	Email Address:					
	TX SOS Filing Number:					
	<sup>1</sup> If the Operator is the same as S *If the Operator does not have t this application. List the Operator	Site Operator/Permit his number, complet or as the customer.	tee type "Same te a TCEQ Core I	as "Site Operator (Permittee/Registrant)". Data Form (TCEQ-10400) and submit it with		
	Consultant Name (if ap	plicable): SCS	Engineers			
	Texas Board of Profession	al Engineers Firn	n Registratio	n Number: F-3407		
	Contact Name: Ryan Kur	ntz	Title: V	Vice President		
	Mailing Address: 1901 C	entral Drive, Su	uite 550			
	City: Bedford County: Ta	arrant State: T	X Zip Code:	76021		
(Area Code) Telephone Number: (817) 571-2288						
	E-Mail Address: rkuntz@scsengineers.com					
	Agent in Service Name	(required only	for out-of-s	state):		
	Mailing Address:					
	City: County:	State:	Zip Code			
	(Area Code) Telephone Nu	umber:				
	E-Mail Address:					
	18. Facility Supervisor's	License				
	Select the Type of License Chapter 30, Occupational facility operations.	e that the Solid V Licenses and Re	Vaste Facility gistrations, w	Supervisor, as defined in 30 TAC vill obtain prior to commencing		
	19. Ownership Status of	the Facility				
	Corporation	🛛 Limited Part	nership	E Federal Government		
	Individual	🗌 City Govern	ment	Other Government		

County Government Military State Government

Other (specify):

Sole Proprietorship

General Partnership

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

## **Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse**, **2507 Lee St.**, **2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Homeland Security Contact Person's Name: Mr. Richard Hill Street Address or P.O. Box: 2700 Johnson St. City: Greenville County: Hunt State: Texas Zip Code: 75401 (Area Code) Telephone Number: 903-408-4246 E-Mail Address (optional):

#### State Representative Information

District Number: 2 State Representative's Name: **Bryan Slaton** District Office Address: **P.O. Box 2910, Room E2.420** City: **Austin** County: **Travis** State: **Texas** Zip Code: **78768** (Area Code) Telephone Number: **512-463-0880** E-Mail Address (optional): **Bryan.slaton@house.texas.gov** 

#### State Senator Information

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368 E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A	River Basin Authority Name: N.A					
Contact Person's Name:						
Watershed Sub-Basin Name:						
Street Address or P.O. Box:						
City: County: State: Zip Code:						
(Area Code) Telephone Number:						
E-Mail Address (optional):						
Coastal Management Program						
Is the facility within the Coastal Management Program boundary?						
🗌 Yes 🛛 No						
U.S. Army Corps of Engineers						
The facility is located in the following District of the U.S. Army Corps of Engineers:						
Albuquerque, NM Galveston, TX						
Ft. Worth, TX Tulsa, OK						
Local Government Jurisdiction						
Within City Limits of: <b>N.A.</b>						
Within Extraterritorial Jurisdiction of: <b>N.A.</b>						
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?						
If "Yes", provide a copy of the ordinance or order as an attachment.						

### Signature Page

I, <u>Josh Bray</u> , (Site Operator (Permittee/Registrant)'s Authorized Signatory)	<u>President,</u> (Title)
certify under penalty of law that this document and all attachments w my direction or supervision in accordance with a system designed to personnel properly gather and evaluate the information submitted. E the person or persons who manage the system, or those persons dire gathering the information, the information submitted is, to the best of belief, true, accurate, and complete. I am aware there are significan submitting false information, including the possibility of fine and impri- violations.	vere prepared under assure that qualified Based on my inquiry of actly responsible for of my knowledge and t penalties for risonment for knowing
Signature:	Date: <u>  -みイ-み</u>
·····/·/·/····························	
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGN REPRESENTATIVE FOR THE OPERATOR	ED BY AN AUTHORIZED
I,, hereby designate	<del></del>
(Print or Type Operator Name) (Print or Type Represen	tative Name)
as my representative and hereby authorize said representative to sig submit additional information as may be requested by the Commission me at any hearing or before the Texas Commission on Environmental with this request for a Texas Water Code or Texas Solid Waste Dispose further understand that I am responsible for the contents of this appli- statements given by my authorized representative in support of the a compliance with the terms and conditions of any permit which might this application.	n any application, in; and/or appear for { Quality in conjunction sal Act permit. I fication, for oral application, and for be issued based upon
Printed or Typed Name of Operator or Principal Executive Officer	
Signature	
inch Br	•••••
SUBSCRIBED AND SWORN to before me by the said O O O O O O O	$\frac{\omega}{\omega}$
My commission expires on the <u>24</u> day of <u>Une</u> , <u>2023</u>	
Notary Public in and for	
(Note: Application Must Bear Signature & Seal of Notary Public)	
JERI GOLDEN NOTARY PUBLIC STATE OF TEXAS Lic# 128655822 My Commission Expires 08/24/2023	

Form - Page 9 of 10

### Part I Attachments

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those app	ly and add as necessary
🛛 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
Kee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

MARKED

M:\Projects\16219083.00\NODs\Tech NODs\10-08-21\L2021.30.11 TSS, MSW-2411, Technical NOD Response.docx

## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

## SCS ENGINEERS

SCS Project No. 16219083 | November 2021 Revision 2

Applicant's Ex. 1, p. 000518

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS



#### **SCS ENGINEERS**

**Texas Board of Professional Engineers, Reg. No. F-3407** 

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 <u>Revision 2: November 2021</u> SCS Project No. 16219083

### TABLE OF CONTENTS

SEC	TION	N	PAGE			
I.	SUPF	PPLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))				
1	PRO	PERTY A	ND OWNERSHIP SUMMARYI/II-1			
	1.1	Facility	Location and History (30 TAC §330.59(b))I/II-1			
	1.2	Proper	ty Description and Ownership Information (30 TAC §330.59(d))I/II-1			
	1.3	Land C	Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))I/II-1			
	1.4	Easeme	ents (30 TAC §330.61(c)(10))I/II-2			
	1.5	Legal A	Authority (30 TAC §330.59(e))I/II-2			
	1.6	Eviden	ce of Competency (30 TAC §330.59(f)			
	1.7	Appoin	Itments (30 TAC §330.59(g))			
	1.8	Applic	ation Fees (30 TAC §330.59(h))	1		
	1.9	Applico	ation Posting Information (30 TAC §330.57(i))I/II-2	1		
	1.10	Require	ed Permits/Authorizations (30 TAC §305.45(a)(7)) <b>TBPE Reg. # F-3407</b> 1/II-3			
2	FACI	LITY FEA	TURES AND WASTE ACCEPTANCE PLANI/II-5			
	2.1	Propos	ed PermitI/II-5			
	2.2	Source	s and Characteristics of Waste (30 TAC §330.61(b)(1))I/II-5			
		2.2.1	Waste Types and Generation AreasI/II-5			
		2.2.2	Projected Waste Acceptance RateI/II-8			
		2.2.3	Population EquivalentI/II-8			
		2.2.4	Waste Storage and DisposalI/II-8			
	2.3	Region	al Solid Waste Management (30 TAC §330.61(p))I/II-9			
3	EXIS	TING CO	ONDITIONS SUMMARYI/II-10			
	3.1	Impact	on Surrounding Area (30 TAC §330.61(H))I/II-10			
		3.1.1	ZoningI/II-10			

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind DirectionI/II-13
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II- <u>16</u> 15
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16
	3.4.1	Groundwater ConditionsI/II-16
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18
3.7	Site-Sp	pecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II- <u>19</u>

### TABLES

- 1/11-1.1 **Required Permits/Authorizations**
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form **TCEQ Core Data Form** 

#### DOCUMENTATION

Legal Description Legal Authority **Evidence of Competency** Appointment **Property Owner Affidavit** 

#### **FIGURES**

- 1/11-1 Site Location Map
- 1/11-2General Topographic Map
- 1/11-3 **Aerial Photograph**
- I/II-4 Land Ownership Map
- 1/11-5 Land Use Map
- 1/11-6 Site Layout Plan
- 1/11-7 **Transportation Map**
- 1/11-8 US Fish and Wildlife Wetlands Map
- 1/11-9 Floodplain Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - 1/II-A.1 NCTCOG Correspondence
  - 1/II-A.2 Archaeological/Historical Quality Review Correspondence
  - 1/II-A.3
  - Local Government Correspondence 1/II-A.4
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List







**SCS Engineers TBPE Reg. # F-3407** 

#### Transfer Station Solutions Highway 24 Transfer Station Supplementary Technical Report

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8). Transfer Station Solutions, LLC is applying to the Texas Commission on Environmental Quality (TCEQ) for a Type V MSW facility permit for a transfer station in Hunt County.

The transfer station will be located on a 5.9-acre tract located approximately four miles north of Campbell, Texas at 3491 State Highway 24 (SH 24). This tract is on the east side of SH 24 approximately 0.4 mile north of the intersection of SH 24 and Country Road 4317. The sole access road that will be used by vehicles accessing the facility is SH 24. In the vicinity of the transfer station, SH 24 is a two-lane asphalt surfaced roadfour-lane divided highway maintained by the Texas Department of Transportation (TxDOT). Although, SH 24 is a divided highway, there is a 2-lane crossover at the site entrance to allow southbound vehicles to turn left into the facility via a turn lane. There are no weight restrictions on this road other than the legal load limit of 80,000 pounds. The on-site road from SH 24 to the transfer station will be a paved, all-weather road.

The types of solid waste to be accepted at the transfer station include the following: municipal solid waste, construction-demolition waste, yard waste, and Class 2 and 3 nonhazardous industrial solid waste. Consistent with 30 TAC §330.15(e), the facility will not accept regulated hazardous waste, Class 1 industrial solid waste, PCBs, and all other prohibited waste defined therein.

All waste unloading and loading onto transfer trailers will be conducted within the transfer station building.

This transfer station will serve residences and businesses in Hunt County and surrounding counties. The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimate to be approximately 1,000 tons per day, or 312,000 tons per year. The annual waste transfer rate, described above, is based on 312 operating days per year.

The North Central Texas Council of Governments (NCTCOG) has developed the Regional Solid Waste Management Plan (RSWMP) for a 16 county region, which includes Hunt County. NCTCOG's RSWMP is presented in "Planning of Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. This RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed transfer station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

### 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

## 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions. No person or entity other than Transfer Station Solutions will own more than 20% of the proposed transfer station; Josh Bray is the sole owner and the only principal of Transfer Station Solutions. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

## 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II.

## 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

## 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC §330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to this permit application will also be posted at the same location. This internet posting is for informational purposes only.

## 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). To promote efficient traffic flow the building will be open on two sides. The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior panels on two sides, and a roof. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

## 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

#### 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Based on the following list of acceptable wastes, there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility. Therefore, the parameter limitations, as required by §330.203(a), are not applicable to this facility.

The proposed transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - o Slaughterhouse wastes
  - o Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.

- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

#### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

#### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year $\div$ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year $\div$ 0.78 tons/person/year
	= 400,000 persons

#### 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ. Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

## 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter is being sent to NCTCOG summarizing the proposed permit application and transmitting a copy of Parts I and II of this application for review. A letter is also being sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence is included in Part I/II, Appendix I/II-A.1.

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source	
2020	99,280	North Central Texas Council of Governments	
2030	104,802	Texas Demographic Center	
2040	112,406	Texas Demographic Center	
2050	120,121	Texas Demographic Center	

#### Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

In communications with Hunt County, it was confirmed that there have not been any plats for developments within five miles of the transfer station, as of November 2021.

### 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

#### <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located

on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### <u>Cemeteries</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area proposed for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### <u>Miscellaneous Uses</u>

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

#### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

#### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

### 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;
- documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). An existing driveway serves a business at the location of the proposed transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will be a 30-foot, two-lane, all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the proposed facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT and Hunt County, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

#### 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Year	Volume <sup>1,3</sup>	
2019 <sup>2</sup>	10,215	
2022	10,498	
2050	12,623	

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day			
Vehicle Type	At Initial Waste Acceptance Rate (400 tons/day)	At Max Waste Acceptance Rate (1000 tons/day)		
Haul Trucks	53	107		
Transfer Trailers	17	35		
Citizens with waste in small vehicles	10	20		
Transfer Station Operators' Personal Vehicles	2	4		
Office Personnel Vehicles	2	4		
Other (Vendors, etc.)	2	4		
Total:	86	174		

Table I/II-3.4: Facility Generated Traffic

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. <u>There is a gross vehicle weight limit of 80,000 pounds for SH24</u>. Based on the findings of this traffic study <u>and communications with TxDOT</u>, there are no <u>other</u> existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

#### 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

#### 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

## 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer

consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### <u>References:</u>

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

## 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

#### 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

#### 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the proposed permit area does not include any of the characteristics of a wetland and is not within a wetland. Consistent with §330.553(b)(2), the facility will not cause or contribute to violations of any applicable water quality standard, violate any applicable toxic effluent standard or prohibition under the Clean Water Act, jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary.

A copy of IES's study report is included in Appendix I/II-B.

### 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "<u>No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks, or natural/managed areas within the survey area ... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species." In view of the above, consistent with §330.551 and §330.61(n), operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.</u>

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

## 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

#### EVIDENCE OF COMPETANCY

## Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017 and maintains this license to-date. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree. Either Mr. Bray will serve as the licensed solid waste facility supervisor, or Transfer Station Solutions will hire a facility supervisor with the required credentials.

Josh Bray holds a minor, non-controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operations today.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	<u>County</u>	TCEQ Permit or Registration No.	<u>Dates of Operation under</u> <u>Mr. Bray's Management</u>
Fannin Transfer Station	<u>Fannin</u>	40290	7/17/17 -6/1/19
Canton Transfer Station	Van Zandt	40266	4/24/13 - 6/1/19
Pittsburg Transfer Station	<u>Camp</u>	40174	<u>3/12/14 – 6/1/19</u>
Blossom Prairie Type I Landfill	<u>Lamar</u>	2358	10/13/09 - 6/1/2019
# **FIGURES**



Applicant's Ex. 1, p. 000542



Applicant's Ex. 1, p. 000543

# **APPENDIX I/II-A**

## PERMIT RELATED CORRESPONDENCE



# **APPENDIX I/II-A.1**

## NCTCOG CORRESPODENCE

# **APPENDIX I/II-A.3**

## TXDOT CORRESPONDENCE

# **APPENDIX I/II-C**

## OIL AND WATER WELL LOCATION SUMMARY





#### Applicant's Ex. 1, p. 000548

# **APPENDIX I/II-D**

## LAND OWNERSHIP LIST



### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 Brazin Properties LP P O Box 6247 1806 S Church Paris, Texas 75461
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 <u>WEBB_BILLYHELM_CODY_C</u> <u>&amp; SARAH R</u> <u>4292_FM_1568958_HWY</u> <u>24</u> CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

### Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 11/24/21

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 <u>Revision 2: November 2021</u> SCS Project No. 16219083

		TABLE OF CONTENTS
SEC	ΓΙΟΝ	PAGE
~ ~ ~		₹*/ ¥ \**
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2)
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)Ill-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)Ill-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)Ill-4
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-5
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-6
		2.3.3 Protection of Endangered Species §330.63(b)(5)Ill-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)III-9
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J)III-10

### ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate

munn (111) RYAN R. KUNTZ 104689 11/24/21

SCS Engineers TBPE Reg. # F-3407

# 1.0 INTRODUCTION

In accordance with 30 TAC §330.63(a), the following sections include the applicable portions of Part III of a permit application that summarize the land-use and zoning and the adequacy of access roads and highways surrounding the proposed facility. Part III also provides information on the general design of the facility to safeguard the health, welfare, and physical property of people and the environment.

# 1.1 SITE LOCATION AND HISTORY

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24) approximately 0.4 mile north of the intersection of SH 24 and County Road 4317 and approximately 4 miles north of Campbell, Texas. The site location is shown on Figure I/II-1 in Parts I/II of this permit application. Additionally, an aerial photograph showing the site and access roads is included as Part I/II, Figure I/II-3, and a general topographic map is included as Part I/II, Figure I/II-2.

At its peak, the new facility will have a waste intake capacity projected at approximately 1,000 tons/day.

The physical address for the transfer station is 3491 SH 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N  $33^{\circ}11'48.6''$  latitude and W  $95^{\circ}55'23.5''$  longitude.

# 1.2 LAND USE AND ZONING [§330.63(A)]

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map and described in Section 3.1.2 of Parts I/II.

# 2.0 GENERAL FACILITY DESIGN

In accordance with 30 TAC §330.63(b), the general facility design is discussed in the following sections.

# 2.1 FACILITY ACCESS

### 2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]

In accordance with 30 TAC §330.61(i), an analysis of the adequacy of SH 24 was performed for the transfer station. Supporting data is included in Section 3.2 of Parts I/II. Based on these data, SH 24, which provides access to the facility, is adequate in capacity and structure to continue to serve the needs of the general public using SH 24, as well as the transfer station.

## 2.1.2 Fences and Access Control [§330.63(b)(1)]

Public access to the transfer station will be controlled by means of a perimeter fence which encompasses the entire permit boundary. Access to the transfer station is limited to the gated site entrance located off of SH 24.

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the site is minimized by controlling access to the transfer station with sites fencing, artificial barriers, locking entrance and exit gates. The fence will consist of an <u>68</u>-foot-high <u>chain-linkprivacy</u> fence, with the exception of fencing along the entrance road up to the entrance gate, which will be a <u>6</u>-foot-high chain-link fence, and/or a barbed wire fence (at least three strand) or a mesh wire. Part III, Attachment 1, Figure III-1.1 shows the location of the fencing and the gates.

During operating hours, the site personnel will continuously monitor the site entrance gate to prevent any unauthorized entry to facility. Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by site management.

A conspicuous sign measuring a minimum 4 feet by 4 feet will be maintained at the entrance to the facility. The sign will state the following: in letters at least 3-inches high:

- the name of the site,
- the type of site,
- the permit number issued by the TCEQ,
- the hours and days of operation,
- an emergency 24-hour contact phone number(s), and
- the local emergency fire department phone number.

The sign will be visible and readable from the facility entrance. Other signs stating rules will be posted throughout the site. A sign will state that certain wastes are prohibited from receipt at the facility, as discussed in the Part IV, Site Operating Plan.

Gates are also located on the north and east permit boundaries to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules. As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

Also, as indicated on Figure III-1.4, 30-foot long segments of six-foot chain-link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

## 2.2 WASTE MOVEMENT §330.63(B)(2)

## 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

### 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

## 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building, which is open on two sides, will provide ample passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels on two sides, and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

The two-sided, single-level building structure allows for more efficient flow of both the collection trucks and the transfer trucks. The direct loading into transfer trailers minimizes the residence time of the waste on the floor. Driving through the transfer station building with in-line unloading (rather than backing up and discharging into a loading pit or unloading area) promotes safer handling of the waste material and enhance employee safety.

### 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. <u>Visual screening is provided by the location of the transfer station being located approximately 675 feet from SR 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore,</u>

an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties at the locations shown on Figures I/II-6 and III-1.1.

Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation. <u>The primary noise source</u> of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with backup alarms set at the lowest possible noise level consistent with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well.

## 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The proposed drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

### 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The proposed facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of

contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

### 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. A spray nozzle, such as a pressure-washer, will be used to hose down the concrete tipping floor. It is estimated that each floor washing will require no longer than two hours. Using a pressure-washer with a discharge rate of 2.75 gallons/minute, it is estimated that each washing event will generate 330 gallons. Tipping floor washdown water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a 500-gallon (minimum) to 2,000-gallon (maximum) contaminated water holding tank. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. A spray nozzle, such as a standard wash-down gun product, will be used to hose down the concrete tipping floor. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

### 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this <del>proposed</del> facility are summarized in the following sections.

## 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area.

## 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is  $\frac{55,20079,235}{55,20079,235}$ .

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN



**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 <u>Revision 2: November 2021</u> SCS Project No. 16219083

### FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



SCS Engineers TBPE Reg. # F-3407

## **FIGURES**



Applicant's Ex. 1, p. 000566





Applicant's Ex. 1, p. 000567



Applicant's Ex. 1, p. 000568

ESS S A BOLLARD -(TYP.) 30-FOOT FENCE (TYP. SEE NOTE 5) ⚠  $\cap$ Ò E TIPPING FLOOR TRANSFER VEHICLES DRIVES -3 120' GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) Ē SLOPE SLOPE JII-1)5 - ELECTRICAL, SUPPLY STORAGE AREAS F WASTE COLLECTION VEHICLES -DRIVES INTO AN UNLOADING POSITION  $\Box \Box$ Ē Δ  $\dots$ O120' EGRESS SLOPE



Applicant's Ex. 1, p. 000569



Applicant's Ex. 1, p. 000570



Applicant's Ex. 1, p. 000571



#### Applicant's Ex. 1, p. 000572

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART III - ATTACHMENT 2 CLOSURE PLAN



SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 <u>Revision 2: November 2021</u> SCS Project No. 16219083

## TABLE OF CONTENTS

### **SECTION**

### PAGE

1.0	INTRODUCTION	III-2-1
2.0	CLOSURE REQUIREMENTS	III-2-2
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	111-2-4
4.0	POST-CLOSURE CARE REQUIREMENTS	



SCS Engineers TBPE Reg. # F-3407

# 3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the facility, the Owner will submit, within 10 days, to the executive director for review and approval, a documented certification, signed by an independent registered professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330, Subchapter K. The submittal to the executive director will include all applicable documentation necessary for certification of final closure.

Within 10 days after completing final closure activities for the facility, the Owner or Operator will submit to the executive director by registered mail a certified copy of an "affidavit to the public" in accordance with the requirements of 30 TAC §330.19 and 30 TAC §330.457(g) and place a copy of the affidavit in the facility's operating record.

Following receipt of the required final closure documents, as applicable, the TCEQ's regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before terminating operation and closing the facility will be acknowledged and the facility deemed properly closed.

In accordance with §330.461(c)(3), Transfer Station Solutions will submit a request to the TCEQ for voluntary revocation of the facility permit.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE



**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083
## TABLE OF CONTENTS

SECTION			
1.0			
2.0	CLOSURE COST ESTIMATE		

#### TABLES

Table III-3.1 Closure Cost Estimate

## APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$ <del>3,000<u>6,000</u></del>
B.2	Transport waste by a properly authorized transporter and dispose of	\$ <del>17,500<u>35,000</u></del>
	waste at a properly authorized facility.	
B.3	General cleanup to include wash down of facility. To include	\$6,000
	removal, transport, treatment, and disposal of all wash down	
	waters/media.	
B.4	Vector control procedures.	\$1,500
<u>B.5</u>	Contaminated Water Disposal.	<u>\$400</u>
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$4 <del>8,500<u>68,900</u></del>
	Contingency Cost (15%)	\$ <del>7,200<u>10,335</u></del>
	Total	\$ <del>55,200<u>79,235</u></del>

## Table III-3.1Cost Estimate for Third Party Closure

\* As noted in Part III, Section 4.3, the maximum waste inventory capacity is 500 tons for this facility

## **APPENDIX III-3A**

## CLOSURE COST CALCULATION



SCS Engineers TBPE Reg. # F-3407



Item No.	Description		Estimated Quantity	Units	Approz. Unit Cost		Extended Cost	Notes
A	State Administration of Site Closure							
1	Survey site and review files to determine closure activities	1	1	L.S.	\$1,000.00		\$1,000.00	Permit area to be surveyed
2	Prepare Engineering Plans and Specifications		1	LS.	\$4,000.00		\$4,000.00	
3	Procure Bids		1	L.S.	\$2,000.00		\$2,000.00	
4	Contract award and administer contract		1	L.S.	\$1,000.00		\$1,000.00	
В	General Cleanup of Site and Process Unit	1	1	100		_		
1	Cleamp and remove waste stored onsite	500	1,000	Tous	\$6.00	\$3,000.00	\$6,000.00	max waste to be stored on site per SOP
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	500	1,000	Tous	\$35.00	\$17,500.00	\$35,000.00	Large capacity transfer trucks (cost based on operator experience)
3	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.		1	L.S.	\$6,000.00		\$6,000.00	
4	Vector control procedures		1	L.S.	\$1,500.00		\$1,500.00	Assumes site requires one treatment by pest control co.
3	Contaminated Water Disposal		4,000	Gallous	( \$0.10	171	\$400.00	Assumes cost of transportation and disposal at appropriate facility. Includes cost of disposing volume in 2000 gallon storage tank, plus additional washdown.
с	Secure Site			-				
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fance and gate. Secure fance and gate.		1	L.S.	\$1,000.00		\$1,000.00	
D	Certification of Abandonement and Comp	letion of C	leanup					· · · · · · · · · · · · · · · · · · ·
ţ	Perform site inspection and prepare certification of closure		1	L.S.	\$6,000.00		\$6,000.00	
2	Sample'test'classify waste (ash, liquids, sludge, other waste not readily identifiable as garbage, trash, refuse). To include lab reports, chain of custody, quality assurance and quality control.		1	LS.	\$3,000.00		\$3,000.00	
3	Perform verification re-sampling and laboratory analysis.		1	L.S.	\$2,000.00		\$2,000.00	Estimated
	Subiotal					\$12,000.00	\$68,900.00	1
E	Contingency Cost (15%)					\$7,200	\$10,335	
	GRAND TOTAL					\$\$5,200	\$79,235	

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN



**Prepared by:** 

## SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 <u>Revision 2: November 2021</u> SCS Project No. 16219083

## **TABLE OF CONTENTS**

SECTIC	<u>)N</u>			PAGE
1	INTR	ODUCT	ION	IV-1
	1.1	Gener	al Facility Design	IV-1
	1.2	Gener	al Facility Operation	IV-1
	1.3	Gener	al Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	IV-2
		1.3.2	Equipment Operators	IV-2
		1.3.3	Gate Attendants	IV-3
		1.3.4	Laborers.	IV-3
	1.4	Gener	al Facility EquipmentSCS Engineers	IV-3
		1.4.1	Equipment for Emergencies TBPE Reg. # F-34	<b>07</b> IV-4
2	WAS	STE ACC	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	Sources and Characteristics	IV-5
	2.2	Measu	res for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	Acceptance Rate	IV-9
	2.4	Waste	Storage and Processing Time	IV-10
	2.5	Waste	Pisposal	IV-10
	2.6	Waste	and Effluent Testing	IV-10
3	FACI	LITY - G	GENERATED WASTES (30 TAC §330.205)	IV-11
4	CON		ATED WATER MANAGEMENT (30 TAC §330.207)	IV-12
5	STOR	RAGE R	EQUIREMENTS (30 TAC §330.209)	IV-13
6	APPR	OVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	EN'S CO	OLLECTION STATION (30 TAC §330.213)	IV-15
8	REQU	JIREMEI	NTS FOR STATIONARY COMPACTORS (30 TAC §330.215)	IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227) TBPE Reg. # F-3407.IV-25
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

scs engineers November 2021

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

## TABLES

- IV-1 Summary of Personnel
- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### **APPENDICES**

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

## 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

## 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream <u>for proper management either through and disposed of or recyclinged</u> per 30 TAC Chapter 328 of the TCEQ regulations <u>or</u>. <u>Tires that are split in half, quartered or shredded</u>, or subject to an agency exception, are allowed to be transported to permitted landfills <u>facility</u> where they will be split in half, quartered or shredded for prior to disposal.

## 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in 330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in 330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

# 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, contaminated water holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. The contaminated water holding tank and interconnecting piping for grit trap/sump will be dual-contained. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank, sump, and associated piping will be inspected on a twice monthly basis. The tank will be inspected for evidence of leaks (water in the outside dualwall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Furthermore, consistent with 30 TAC §330.207(g), the concentration of oil and grease of wastewater to be hauled to a permitted treatment facility will not exceed 200 milligrams per liter

or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System. Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

## 6 APPROVED CONTAINERS (30 TAC §330.211)

Solid waste entering the facility is transferred from incoming haul vehicles to the tipping floor. Waste that is placed on the tipping floor will be transferred to transfer trailer vehicles via loading equipment. The transfer trailers will be durable and designed for safe handling and cleaning. The transfer trailers will be equipped with tarps or covers to be used during transport. In addition, the trailers are designed to prevent spillage or leakage during storage, handling, and transport, which are approved containers consistent with §330.211.

The transfer trailers are washed, as necessary, so that they do not constitute a nuisance and to restrict the harborage, feeding, and propagation of vectors.

Reusable containers emptied manually must be capable of being serviced without physical contact with waste.

Records To Be Maintained	Rule Citation
6. Documents, manifests, shipping documents, trip tickets, etc., involving special waste	§330.219(b)(6)
<ol> <li>Other document(s) as specified by the approved Permit or by the executive director</li> </ol>	§330.219(b)(7)
8. Record retention provisions for trip tickets <u>consistent with §312.145</u>	§330.219(b)(8)
9. Alternative schedules and notification requirements, if applicable	§330.219(g)
10. Inspection records and training procedures relating to fire prevention and facility safety	§330.221
11. Access control breach and repair notices	§330.223
12. Waste unloading/prohibited waste discovery	§330.225
13. Record of alternative operating hours if applicable	§330.229(b)

All reports and other information requested by the executive director will be signed by the owner or operator of the facility as described in \$305.44 or by a duly authorized representative of the owner or operator. <u>Consistent with \$330.219(c)(2), if an authorization is no longer accurate</u> because of a change in individuals or position, a new authorization satisfying the requirements of the rule will be submit to the executive director prior to, or together with, any reports, information, or applications to be signed by an authorized representative. In accordance with \$330.219(c)(1)(A)-(C), a person is a duly authorized representative only if:

- 1. The authorization is made in writing by the owner or operator as described in §305.44(a);
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility or activity or for environmental matters for the owner or operator, such as the position of plant manager, environmental manager, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the executive director of the TCEQ.

The person signing the report will make the certification in accordance §305.44(b).

Additionally, annual reporting shall be submitted to the executive director of the TCEQ in accordance with §330.675(b).

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility. The water tank will be maintained with a minimum water level of 75% of the total capacity, with the exception of immediately after use. To ensure adequate pressure to reach the far corner of the tipping floor, the tank will also be equipped with a booster pump.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;

- 4. Push the fire out of the building if possible;
- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

## 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

## 12 ACCESS CONTROL (30 TAC §330.223)

Fences and gates and other artificial barriers encompassing the entire transfer station facility will control public access to the transfer station. Access will be limited to the gated site entrance on State Highway 24 (SH 24). This site entrance will be secured by a gate that is monitored by site personnel during normal site operating hours. During extended operating hours (nights and weekends), the gate attendant may be replaced with an operator. Outside operating hours, the gates at the entrance and exit will be locked.

## 12.1 SITE SECURITY

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the transfer station facility is minimized by controlling access with fences and gates and other artificial barriers with the entrance road secured by a locking gate. The perimeter fence will consist of an 68-foot-high chain-linkprivacy fence, with exception of fencing along the entrance road up to the entrance gate, which will be 6-foot-high chain-link fence, and/or a barbed wire fence (at least three-strand) or a mesh wire.

The site entrance located off of SH 24 will serve the transfer station. This site entrance is secured by a gate, and access to the transfer station is monitored by a site attendant that may consist of a Scale Attendant, Equipment Operator, Laborer or the Transfer Station Manager who will be on site during operating hours. Outside the operating hours, the gates at the entrance and exit will be locked.

Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, authorized users, and properly identified persons whose entry is authorized by site management. 30 TAC §330.223(b) requires safety bumpers at hoppers for vehicles. The transfer station layout does not contain hoppers; therefore, this regulation is not applicable to this facility.

The site's perimeter fencing, artificial barriers and gates will be inspected once weekly for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a third party company will perform repairs, as necessary.

The gates on the north and east permit boundaries are to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ's rules.

## 12.2 TRAFFIC CONTROL

Access to the transfer station is limited to the site entrance located off of SH 24. Vehicular traffic to and from the transfer station will utilize this single access road. The site all weather access road will be at least 22-foot wide to accommodate two-way traffic entering and exiting the facility. The site exit onto SH 24 will be controlled by a stop sign. The site entrance/exit location and traffic flow directions are shown on Figure III-1.3. The site entrance/exit road, as well as the internal access roadways are designed for the projected facility traffic and will provide the appropriate

width and turning radii for the waste vehicles to prevent a disruption in traffic flow at the facility. Mud and dust will be controlled in accordance with Section 19.0 of this SOP. The gate attendant or other designated employee will restrict site access to designated authorized vehicles and direct these vehicles appropriately. All visitor and employee parking and equipment storage will be located in an area outside of the transfer station traffic flow.

Signs located at the entrance of the transfer station direct solid waste transportation vehicles to the appropriate unloading/loading areas. Site personnel provide traffic directions as necessary to facilitate safe movement of vehicles.

## 15 OPERATING HOURS (30 TAC §330.229)

To promote efficient, safe and sanitary operations at the facility, and to prevent any disruption of solid waste management services in the area, the following operating hours will apply:

Waste Acceptance Hours	5:00 a.m. to 6:00 p.m., Monday – Saturday
Heavy Equipment Hours	4:00 a.m. to 7:00 p.m., Monday - Saturday

General Facility Operations (i.e. floor cleaning, preventative maintenance, office work, janitorial services) 24 hours per day, seven days a week

Disaster or Emergency Hours; Additional Temporary Hours (Regional Office Approval-Required, as needed – Document in Operating Record)

Alternative Operating Hours; Up to five additional days per annum (Special Occasions, Events, Holidays – Document in Operating Record)

The actual hours and days of operation will be posted on the entrance sign.

Hours of operation beyond the standard operating hours listed in 30 TAC § 330.229(a) are necessary to support the hauling operations that will utilize the facility and to ensure the efficient and timely receipt, processing, and transfer of solid waste for offsite disposal. Hauling operations in the area provide routine collection services on Saturdays and during the early morning hours. Extended hours will assist the owner and operator in properly managing the demand and ensuring compliance with the approved site development and operating plans for the facility. General facility operations will typically occur outside waste acceptance and heavy equipment operating hours to avoid interference with solid waste management activities at the transfer station.

## 16 FACILITY SIGN (30 TAC §330.231)

A conspicuous and readable sign will be displayed at the site entrance off of SH 24. The sign will measure at least 4 feet by 4 feet, and have lettering at least 3 inches in height stating the name of the site, type of site, hours and days of <u>operationwaste acceptance</u>, an emergency 24-hour contact phone number(s), the local emergency fire department phone number, and the TCEQ Permit number. Another sign will list all prohibited wastes from receipt at the facility as discussed in this SOP and will be located along the facility entrance road. Other signs stating rules, operating procedures, and warnings will also be posted in this area.

Within the site, signs will be placed along the transfer station access road at an adequate frequency to direct users to the transfer station structure.

Signs prohibiting smoking will be posted near the facility entrance or scale house. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

## 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter along fence lines, access roads, or surrounding the buildingthroughout the facility will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

As described in Section 2.1.2 of Part III, Site Development Plan and as indicated on Figure III-1.4, a 30-foot long, six-foot chain link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

## 18 MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)

The transfer station manager will take steps to encourage operators of open-top vehicles hauling waste to the facility to utilize tarpaulins, nets, or other means to effectively secure their loads. In addition to routine checks by the gate attendant, actions such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges or similar measures will be taken to control the spillage of waste en route to the transfer station facility. On days when the facility is in operation, the transfer station manager will be responsible for at least once per day visual inspectioncleanup of waste spilled along and within the right-of-way of all public access roads serving the facility for a distance of 2 miles in either direction from the entrance to the facility. Cleanup of waste will be based on need, as a result of the daily inspection. The transfer station manager or his designee will consult with TxDOT officials as necessary concerning cleanup of state highways and rights-of-way consistent with 30 TAC §330.235.

## 19 FACILITY ACCESS ROADS (30 TAC §330.237)

The scale house area and entrance/exit road to/from the transfer station facility are designed to be accessible in all weather conditions. The entrance/exit road and all internal facility roadways are surfaced with asphalt, or concrete, gravel, crushed rock, or similar materials. The surface condition of these roads will be maintained and repaired regularly to minimize potholes or low spots to promote positive drainage. The surfacing of all site roadways will minimize the tracking of mud and trash onto public roads. Dust control will be provided through a street sweeper and/or water truck, as needed. Any tracked mud and associated debris that accumulates on facility roadways will be cleaned by washing down, sweeping, or scraping, as necessary, to minimize tracking those materials onto the public roadways. Litter and any other debris will be monitored at least daily, and picked up on an as-needed basis and taken to the transfer station for disposal as discussed in Section 18.0 of this plan.

Fugitive dust emissions will be minimized by the surfacing or watering of all on-site roadways and regular cleaning procedures.

# 21 OVERLOADING AND BREAKDOWN (30 TAC §330.241)

The design capacity of the facility of 1,000 tons per day will not be exceeded. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harboring of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

The maximum volume of waste that will be stored at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor. No storage of waste materials will occur off the tipping floor, other than loaded transfer vehicles waiting to haul waste off-site.

If a significant work stoppage should occur at the facility due to a mechanical breakdown or other causes, the facility will accordingly restrict the receipt of solid waste. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. If waste remains on the tipping floor during these periods, cover tarps will be used to control potential odors, flies and other vectors. The maximum holding time under these circumstances will not exceed 48 hours, except holidays and weekends. During holidays and/ or weekends, waste may be temporarily stored at the facility not to exceed a time period of 72 hours. Waste is generally stored for less than 24 hours.

If the work stoppage is anticipated to last longer than the time periods noted above, steps will be taken to remove the accumulated solid waste from the site to an approved backup processing or disposal facility.

## 30 FACILITY INSPECTION AND MAINTENANCE

Table IV-6 outlines the inspection and maintenance lists of the facility. The transfer station manager or a designee will perform the tasks. The inspection documentation will be retained in the operating record.

ITEM	TASK	Frequency
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	Daily as specified in Section 17.0.
Waste Spilled on Route to the Facility	Inspection and cleanup of waste materials along and within the right-of-way of the public access roads serving the transfer station (i.e., SH 24) at least 2 miles from the facility entrance, as needed.	Daily as specified in Section 18.0.
Facility Access/Egress Roads	Inspect facility access/egress roads for damage from vehicle traffic or excessive mud accumulation. Maintain as needed. Grading equipment will be used as needed to control or remove mud accumulations from being tracked onto SH 24.	Weekly or more often during wet weather or extended dry weather periods.
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily
Perimeter Swales and Channels	Inspect drainage features to verify that they are functioning as designed (e.g., excess sediment removed, outlet structures intact), as applicable.	Weekly and within 72-hours of a rainfall event of 0.5 inches or more.
Contaminated Water Holding Tank, Sump, and Piping	Inspect contaminated water holding tank, sump, and associated piping for evidence of leaks.	Twice Monthly

## **Table IV-6 Facility Inspection and Maintenance List**

## APPENDIX IV-1 Waste Acceptance Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

11/24/21 Prepared by:

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021

SCS Project No. 16219083

## **TABLE OF CONTENTS**

#### **SECTION**

#### PAGE

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

## TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

## 2 WASTE ACCEPTANCE

Special wastes listed above, other than the incidental special wastes contained in the waste loads, that are to be received at the transfer station must be preapproved by the landfill that will receive the waste in accordance with the receiving landfill's special waste screening and acceptance procedures and the landfill-specific Waste Acceptance Plan (WAP). Since each landfill's WAP will include its own limiting parameters, the transfer station will include the limiting parameters of the landfill as those to be applied to special wastes received at the transfer station. Such special waste evaluation and approval will take place prior to delivery of the waste to the transfer station. If there are any questions about the acceptability of the special waste, the transfer station manager (or his designee) will clarify the matter with the disposal facility manager prior to approving the special waste at the transfer station. Typically, the special waste analyst for the landfill will utilize information provided by the generator (e.g., waste-specific chemical and characteristic information or process knowledge information) to determine the acceptability of a waste for disposal at the landfill. The landfill's special waste analyst will be responsible for maintaining and utilizing current TCEQ guidelines and constituent limits for evaluation of wastes. The landfill's special waste analyst will also be responsible for knowing and applying future changes to regulatory guidelines, review and acceptance procedures. This information will be provided to the appropriately trained transfer station personnel prior to waste acceptance at the transfer station.

Special waste review procedures will include:

- 1. The Special Waste Profile (SWP) must be completely filled out and legible including addresses, contact names, phone numbers and signatures.
- 2. The information must include sufficient information to provide the analyst a clear understanding of the waste's type, origin, shipping method rate of delivery and total amount. If the description is insufficient, additional information will be requested of the generator.
- 3. The physical characteristics of the waste must include information on the chemical and physical properties of the waste sufficient to allow the analyst to identify the waste and correlate the properties to the appropriate TCEQ and Federal regulations. It is important that this, and all portions of the profile, be completely filled out. By signing the profile the generator certifies the information is accurate.
- 4. Site specific evaluation. The landfill's analyst will confirm that each special waste is acceptable in accordance with local, TCEQ and federal regulations as well the transfer station and receiving landfill.
- 5. The landfill's analyst may request additional information from the generator including additional analytical, process description, and Safety Data Sheets (SDS).

When a special waste arrives at the site, transfer station personnel may randomly select samples to visually compare the material presented for acceptance to the approved SWP to confirm that the physical characteristics (color, odor, appearance) of the material matches what is described on the profile. In the event the physical characteristic of the waste differs from the profile, the load will be detained and appropriate personnel called to investigate/evaluate the matter. The generator will be notified. Additional process and chemical analysis may be requested. If the discrepancies cannot be resolved, the load will be rejected.

UNMARKED

M:\Projects\16219083.00\NODs\Tech NODs\10-08-21\L2021.30.11 TSS, MSW-2411, Technical NOD Response.docx

## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

## SCS ENGINEERS

SCS Project No. 16219083 | November 2021 Revision 2

Applicant's Ex. 1, p. 000606

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PARTS I/II GENERAL APPLICATION REQUIREMENTS



#### **SCS ENGINEERS**

**Texas Board of Professional Engineers, Reg. No. F-3407** 

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

## TABLE OF CONTENTS

SEC	TION		PAGE
Ι.	SUPF	LEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))	S-1
1	PRO	ERTY AND OWNERSHIP SUMMARY	1/11-1
	1.1	Facility Location and History (30 TAC §330.59(b))	1/11-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))	1/11-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3)).	1/11-1
	1.4	Easements (30 TAC §330.61(c)(10))	I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))	I/II-2
	1.6	Evidence of Competency (30 TAC §330.59(f)	1/11-2
	1.7	Appointments (30 TAC §330.59(g))	I/II-2
	1.8	Application Fees (30 TAC §330.59(h))	1/11-2
	1.9	Application Posting Information (30 TAC §330.57(i))	
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7)) <b>TBPE Reg.</b> # I	<u>-3407</u> .1/11-3
2	FACI	ITY FEATURES AND WASTE ACCEPTANCE PLAN	I/II-5
	2.1	Proposed Permit	I/II-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))	I/II-5
		2.2.1 Waste Types and Generation Areas	I/II-5
		2.2.2 Projected Waste Acceptance Rate	I/II-8
		2.2.3 Population Equivalent	I/II-8
		2.2.4 Waste Storage and Disposal	I/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))	1/11-9
3	EXIS	ING CONDITIONS SUMMARY	I/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))	I/II-10
		3.1.1 Zoning	I/II-10

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind DirectionI/II-13
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))I/II-16
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16
	3.4.1	Groundwater ConditionsI/II-16
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a))1/II-19

## TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

## **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

## DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

## FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map

## APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
  - I/II-A.4 Local Government Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List



SCS Engineers TBPE Reg. # F-3407

#### Transfer Station Solutions Highway 24 Transfer Station Supplementary Technical Report

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8). Transfer Station Solutions, LLC is applying to the Texas Commission on Environmental Quality (TCEQ) for a Type V MSW facility permit for a transfer station in Hunt County.

The transfer station will be located on a 5.9-acre tract located approximately four miles north of Campbell, Texas at 3491 State Highway 24 (SH 24). This tract is on the east side of SH 24 approximately 0.4 mile north of the intersection of SH 24 and Country Road 4317. The sole access road that will be used by vehicles accessing the facility is SH 24. In the vicinity of the transfer station, SH 24 is a four-lane divided highway maintained by the Texas Department of Transportation (TxDOT). Although, SH 24 is a divided highway, there is a 2-lane crossover at the site entrance to allow southbound vehicles to turn left into the facility via a turn lane. There are no weight restrictions on this road other than the legal load limit of 80,000 pounds. The on-site road from SH 24 to the transfer station will be a paved, all-weather road.

The types of solid waste to be accepted at the transfer station include the following: municipal solid waste, construction-demolition waste, yard waste, and Class 2 and 3 nonhazardous industrial solid waste. Consistent with 30 TAC §330.15(e), the facility will not accept regulated hazardous waste, Class 1 industrial solid waste, PCBs, and all other prohibited waste defined therein.

All waste unloading and loading onto transfer trailers will be conducted within the transfer station building.

This transfer station will serve residences and businesses in Hunt County and surrounding counties. The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimate to be approximately 1,000 tons per day, or 312,000 tons per year. The annual waste transfer rate, described above, is based on 312 operating days per year.

The North Central Texas Council of Governments (NCTCOG) has developed the Regional Solid Waste Management Plan (RSWMP) for a 16 county region, which includes Hunt County. NCTCOG's RSWMP is presented in "Planning of Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. This RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed transfer station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.
Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

### 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

### 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions. No person or entity other than Transfer Station Solutions will own more than 20% of the transfer station; Josh Bray is the sole owner and the only principal of Transfer Station Solutions. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

### 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II.

### 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

### 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC §330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to this permit application will also be posted at the same location. This internet posting is for informational purposes only.

## 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). To promote efficient traffic flow the building will be open on two sides. The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior panels on two sides, and a roof. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

## 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

#### 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Based on the following list of acceptable wastes, there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility. Therefore, the parameter limitations, as required by §330.203(a), are not applicable to this facility.

The transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - o Slaughterhouse wastes
  - o Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Other limiting parameters are addressed in Section 2 of Part IV, Appendix IV-1 Waste Acceptance Plan.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.

- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

#### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

#### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	$= 5 \text{ pounds/person/day x } 312 \text{ days/year} \div 2,000 \text{ pounds/ton}$
	= 0.78 tons/person/year
PE	= 312,000 tons/year $\div$ 0.78 tons/person/year
	= 400,000 persons

#### 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ. Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter is being sent to NCTCOG summarizing the permit application and transmitting a copy of Parts I and II of this application for review. A letter is also being sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence is included in Part I/II, Appendix I/II-A.1.

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

#### Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

In communications with Hunt County, it was confirmed that there have not been any plats for developments within five miles of the transfer station, as of November 2021.

#### 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

#### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

#### <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located

on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### <u>Cemeteries</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### <u>Miscellaneous Uses</u>

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

#### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

#### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

### 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;
- documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). An existing driveway serves a business at the location of the transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will be a 30-foot, two-lane, all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT and Hunt County, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

#### 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day				
Vehicle Type	At Initial Waste Acceptance Rate (400 tons/day)	At Max Waste Acceptance Rate (1000 tons/day)			
Haul Trucks	53	107			
Transfer Trailers	17	35			
Citizens with waste in small vehicles	10	20			
Transfer Station Operators' Personal Vehicles	2	4			
Office Personnel Vehicles	2	4			
Other (Vendors, etc.)	2	4			
Total:	86	174			

Table I/II-3.4: Facility Generated Traffic

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. There is a gross vehicle weight limit of 80,000 pounds for SH24. Based on the findings of this traffic study and communications with TxDOT, there are no other existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

#### 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

#### 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

#### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

# 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

#### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer

consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### <u>References:</u>

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

# 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

#### 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

#### 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the permit area does not include any of the characteristics of a wetland and is not within a wetland. Consistent with §330.553(b)(2), the facility will not cause or contribute to violations of any applicable water quality standard, violate any applicable toxic effluent standard or prohibition under the Clean Water Act, jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine Protection, Research, and Sanctuaries Act of 1972 for the protection of a marine sanctuary.

A copy of IES's study report is included in Appendix I/II-B.

## 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks, or natural/managed areas within the survey area ... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species." In view of the above, consistent with §330.551 and §330.61(n), operation of the facility will not result in the destruction or adverse modification of the critical habitat of endangered or threatened species, or cause or contribute to the taking of any endangered or threatened species.

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

# 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

#### EVIDENCE OF COMPETANCY

# Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017 and maintains this license to-date. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree. Either Mr. Bray will serve as the licensed solid waste facility supervisor, or Transfer Station Solutions will hire a facility supervisor with the required credentials.

Josh Bray holds a minor, non-controlling interest in the Blossom Prairie Landfill, Inc. (TCEQ Permit No. 2358) which is located approximately one mile southeast of the intersection of FM 194 and CR 15100 in Lamar County, Texas. This MSW landfill began operation in 2010 and continues operations today.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	County	TCEQ Permit or Registration No.	Dates of Operation under Mr. Bray's Management
Fannin Transfer Station	Fannin	40290	7/17/17 -6/1/19
Canton Transfer Station	Van Zandt	40266	4/24/13 - 6/1/19
Pittsburg Transfer Station	Camp	40174	3/12/14 - 6/1/19
Blossom Prairie Type I Landfill	Lamar	2358	10/13/09 - 6/1/2019

## **FIGURES**





## **APPENDIX I/II-A**

#### PERMIT RELATED CORRESPONDENCE

SCS ENGINEERS November 2021

## **APPENDIX I/II-A.1**

### NCTCOG CORRESPODENCE



North Central Texas Council Of Governments

November 10, 2021

Mr. Kevin D. Yard, P.E., BCEE Vice President, SCS Engineers 1901 Central Drive, Suite 550 Bedford, Texas 76021

Type V Permit Application for the Highway 24 Transfer Station, by Transfer Station Solutions, LLC RE: Physical Site Address: 3491 SH 24, Campbell, Texas 75422

#### Dear Mr. Yard.

Thank you and your colleagues, Mr. Ryan Kuntz, P.E., Vice President, SCS Engineers, and Mr. Josh Bray, President, Transfer Station Solutions, LLC, for your presentation to the Facility Conformance Subcommittee of the Resource Conservation Council (RCC) on September 29, 2021, regarding the Type V Permit Application for the Highway 24 Transfer Station.

The North Central Texas Council of Governments (NCTCOG) has been directed by Texas Commission on Environmental Quality to determine the consistency of solid waste permit applications, amendments, and registration applications with the Regional Management Plan, Planning for Sustainable Materials Management in North Central Texas 2015-2040: North Central Texas Regional Solid Waste Management Plan.

At its meeting on November 10, 2021, the RCC found the permit application for the Highway 24 Transfer Station to be consistent with the goals of the Regional Management Plan. Unless there are significant changes to the application from those outlined in the presentation, this determination should not change.

If you have any questions regarding NCTCOG's conformance review, please contact Elena Berg by phone at (817) 608-2363 or by email at EBerg@nctcog.org.

Sincerely,

Kathy Fonville

Kathy Fonville Chair, Resource Conservation Council

cc: Mr. Chance Goodin, Texas Commission on Environmental Quality MC-124, P.O. Box 13087, Austin, Texas 78711-3087

cc: Mr. Josh Bray, President, Transfer Station Solutions, LLC P.O. Box 6427, Paris, Texas 75461

> 616 Six Flags Drive, Centerpoint Two P. O. Box 5888, Arlington, Texas 76005-5888 (817) 640-3300 FAX: 817-640-7806 @recycled paper www.nctcog.org

I/II-A.1-5

## **APPENDIX I/II-A.3**

### TXDOT CORRESPONDENCE

From:	James Atkins II
То:	<u>Yard, Kevin</u>
Cc:	joshbray@suddenlinkmail.com; Kuntz, Ryan; Ard, Andrew
Subject:	Re: response to attached letter
Date:	Friday, November 5, 2021 2:48:51 PM
Attachments:	image001.png

This email originated from outside of SCS Engineers. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Kevin,

Attached is sample FORM 1058 "Permit to Construct Driveway Facilities on Highway Right of Way" and example permit packet. Currently the standard for most roads is 80,000 lb limit anything above this limit requires a permit. We only sign FM roads for load restrictions.

Thanks,

James

From: Yard, Kevin <KYard@SCSEngineers.com>

Sent: Friday, September 3, 2021 2:25 PM

**To:** James Atkins II < James.Atkins@txdot.gov>

Cc: joshbray@suddenlinkmail.com <joshbray@suddenlinkmail.com>; Kuntz, Ryan

<RKuntz@SCSEngineers.com>; Ard, Andrew <AArd@scsengineers.com>

**Subject:** RE: response to attached letter

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

James,

Many thanks for you timely response.

We look forward to working with you in submitting an updated TxDOT Permit to Construct Access Driveway Facilities on Highway Right of Way

following issuance of the TCEQ permit.

#### Thank you,

Kevin

Kevin D. Yard, P.E., BCEE C: 972-523-2414 Vice President

SCS ENGINEERS 1901 Central Drive, Suite 550 Bedford, TX 76021

## **APPENDIX I/II-A.4**

#### LOCAL GOVERNMENT CORRESPONDENCE

# SCS ENGINEERS

November 23, 2021

SCS Project Number 16219083.00

Mr. Bobby Stovall, County Judge Hunt County Courthouse 2507 Lee St., 2nd Floor Greenville, Texas 75401

Phone No. 903-408-4146

Re: Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Stovall:

On behalf of Transfer Station Solutions, LLC (TSS), SCS Engineers (SCS) has prepared a TCEQ permit application for a municipal solid waste transfer station to be located on State Route 24 (SR 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are 33.195944° N latitude and 95.921551° W longitude. We are sending this letter to you consistent with 30 TAC §330.61(p) of the TCEQ's regulations. We have included maps that illustrate the proposed site location and boundary (see attached).

If you have any questions or comments regarding this application, please feel free to call Kevin Yard or Ryan Kuntz at 817-571-2288 or email us at <u>kyard@scsengineers.com</u> or <u>rkuntz@scsengineers.com</u>. Also, please feel free to call Josh Bray, the president of Transfer Station Solutions, at 903-517-6268.

Sincerely,

= Yail

Kevin D. Yard, P.E., BCEE Vice President SCS Engineers TBPE Registration No. F-3407

Ryan R. Kuntz, P.E. Vice President SCS Engineers

Att.: Drawing No. I/II-1, Site Location Map Drawing No. I/II-2, General Topographic Map

cc: Mr. Josh Bray, President, Transfer Station Solutions





Applicant's Ex. 1, p. 000640

## **APPENDIX I/II-C**

### OIL AND WATER WELL LOCATION SUMMARY

SCS ENGINEERS November 2021



## **APPENDIX I/II-D**

### LAND OWNERSHIP LIST

scs engineers November 2021

#### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 Brazin Properties LP P O Box 6247 1806 S Church Paris, Texas 75461
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 HELM CODY C & SARAH R 958 HWY 24 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

#### Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 11/24/21

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

		TABLE OF CONTENTS
SEC	ΓΙΟΝ	PAGE
SLC.		Ĩ.*/ ₩\.*.3
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2)
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)Ill-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)Ill-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)Ill-4
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-5
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-6
		2.3.3 Protection of Endangered Species §330.63(b)(5)Ill-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227 III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H) III-9
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J)III-10

#### ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate

minny (111) RYAN R. KUNTZ 104689 11/24/21

SCS Engineers TBPE Reg. # F-3407
# 1.0 INTRODUCTION

In accordance with 30 TAC §330.63(a), the following sections include the applicable portions of Part III of a permit application that summarize the land-use and zoning and the adequacy of access roads and highways surrounding the facility. Part III also provides information on the general design of the facility to safeguard the health, welfare, and physical property of people and the environment.

# 1.1 SITE LOCATION AND HISTORY

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24) approximately 0.4 mile north of the intersection of SH 24 and County Road 4317 and approximately 4 miles north of Campbell, Texas. The site location is shown on Figure I/II-1 in Parts I/II of this permit application. Additionally, an aerial photograph showing the site and access roads is included as Part I/II, Figure I/II-3, and a general topographic map is included as Part I/II, Figure I/II-2.

At its peak, the new facility will have a waste intake capacity projected at approximately 1,000 tons/day.

The physical address for the transfer station is 3491 SH 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N  $33^{\circ}11'48.6''$  latitude and W  $95^{\circ}55'23.5''$  longitude.

# 1.2 LAND USE AND ZONING [§330.63(A)]

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map and described in Section 3.1.2 of Parts I/II.

# 2.0 GENERAL FACILITY DESIGN

In accordance with 30 TAC §330.63(b), the general facility design is discussed in the following sections.

# 2.1 FACILITY ACCESS

# 2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]

In accordance with 30 TAC §330.61(i), an analysis of the adequacy of SH 24 was performed for the transfer station. Supporting data is included in Section 3.2 of Parts I/II. Based on these data, SH 24, which provides access to the facility, is adequate in capacity and structure to continue to serve the needs of the general public using SH 24, as well as the transfer station.

# 2.1.2 Fences and Access Control [§330.63(b)(1)]

Public access to the transfer station will be controlled by means of a perimeter fence which encompasses the entire permit boundary. Access to the transfer station is limited to the gated site entrance located off of SH 24.

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the site is minimized by controlling access to the transfer station with sites fencing, artificial barriers, locking entrance and exit gates. The fence will consist of an 8-foot-high privacy fence, with the exception of fencing along the entrance road up to the entrance gate, which will be a 6-foot-high chain-link fence. Part III, Attachment 1, Figure III-1.1 shows the location of the fencing and the gates.

During operating hours, the site personnel will continuously monitor the site entrance gate to prevent any unauthorized entry to facility. Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by site management.

A conspicuous sign measuring a minimum 4 feet by 4 feet will be maintained at the entrance to the facility. The sign will state the following: in letters at least 3-inches high:

- the name of the site,
- the type of site,
- the permit number issued by the TCEQ,
- the hours and days of operation,
- an emergency 24-hour contact phone number(s), and
- the local emergency fire department phone number.

The sign will be visible and readable from the facility entrance. Other signs stating rules will be posted throughout the site. A sign will state that certain wastes are prohibited from receipt at the facility, as discussed in the Part IV, Site Operating Plan.

Gates are also located on the north and east permit boundaries to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ"s rules. As required by 330.61(c)(10), these gates are shown on the Part I/II drawings.

Also, as indicated on Figure III-1.4, 30-foot long segments of six-foot chain-link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

# 2.2 WASTE MOVEMENT §330.63(B)(2)

# 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

# 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

# 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building, which is open on two sides, will provide ample passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels on two sides, and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

The two-sided, single-level building structure allows for more efficient flow of both the collection trucks and the transfer trucks. The direct loading into transfer trailers minimizes the residence time of the waste on the floor. Driving through the transfer station building with in-line unloading (rather than backing up and discharging into a loading pit or unloading area) promotes safer handling of the waste material and enhance employee safety.

# 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Visual screening is provided by the location of the transfer station being located approximately 675 feet from SR 24. In addition, trees located between the property line and off-site structures will provide a visual barrier. Furthermore, an 8-foot-high privacy fence will be placed on the permit boundary (with the exception of fencing along the entrance road up to the entrance gate) to obstruct views from nearby properties at the locations shown on Figures I/II-6 and III-1.1.

Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation. The primary noise source of concern will be the back-up alarms on the equipment and the trucks. The transfer station manager will utilize equipment with backup alarms set at the lowest possible noise level consistent with safety considerations and will work with the owners of vehicles using this facility toward controlling noise, as well.

# 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

# 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies

with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

# 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. A spray nozzle, such as a pressure-washer, will be used to hose down the concrete tipping floor. It is estimated that each floor washing will require no longer than two hours. Using a pressure-washer with a discharge rate of 2.75 gallons/minute, it is estimated that each washing event will generate 330 gallons. Tipping floor washdown water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a 500-gallon (minimum) to 2,000-gallon (maximum) contaminated water holding tank. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

# 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with \$330.63(c), the drainage and floodplain criteria applicable to this facility are summarized in the following sections.

# 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area.

# 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is \$79,235.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN



**Prepared by:** 

#### **SCS ENGINEERS**

**Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

## FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



SCS Engineers TBPE Reg. # F-3407

# **FIGURES**



Applicant's Ex. 1, p. 000660



Applicant's Ex. 1, p. 000661



Applicant's Ex. 1, p. 000662

BOLLARD · 30-FOOT FENCE (TYP. SEE NOTE 5) -(TYP.) Ο n TIPPING FLOOR - TRANSFER VEHICLES DRIVES INTO UNLOADING POSITION - WALL 3 (TYP.) III-1.7 120' GRIT TRAP AND SUMP FOR CONTAMINATED WATER (SEE NOTE 1) SLOPE SLOPE 1-1.5 - ELECTRICAL, SUPPLY STORAGE AREAS WASTE COLLECTION VEHICLES -DRIVES INTO AN UNLOADING POSITION Oр 120' EGRESS SLOPE

""INNING"



#### Applicant's Ex. 1, p. 000663



Applicant's Ex. 1, p. 000664



#### Applicant's Ex. 1, p. 000665





#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III - ATTACHMENT 2 CLOSURE PLAN



#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

# TABLE OF CONTENTS

## **SECTION**

# PAGE

1.0	INTRODUCTION	111-2-1
2.0	CLOSURE REQUIREMENTS	111-2-2
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	111-2-4
4.0	POST-CLOSURE CARE REQUIREMENTS	



SCS Engineers TBPE Reg. # F-3407

# 3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the facility, the Owner will submit, within 10 days, to the executive director for review and approval, a documented certification, signed by an independent registered professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330, Subchapter K. The submittal to the executive director will include all applicable documentation necessary for certification of final closure.

Following receipt of the required final closure documents, as applicable, the TCEQ's regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before terminating operation and closing the facility will be acknowledged and the facility deemed properly closed.

In accordance with §330.461(c)(3), Transfer Station Solutions will submit a request to the TCEQ for voluntary revocation of the facility permit.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE



**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

## **TABLE OF CONTENTS**

SECTION		
1.0		
2.0	CLOSURE COST ESTIMATE	

#### TABLES

Table III-3.1 Closure Cost Estimate

## APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$6,000
B.2	Transport waste by a properly authorized transporter and dispose of	\$35,000
	waste at a properly authorized facility.	
B.3	General cleanup to include wash down of facility. To include	\$6,000
	removal, transport, treatment, and disposal of all wash down	
	waters/media.	
B.4	Vector control procedures.	\$1,500
B.5	Contaminated Water Disposal.	\$400
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$68,900
	Contingency Cost (15%)	\$10,335
	Total	\$79,235

# Table III-3.1Cost Estimate for Third Party Closure

# **APPENDIX III-3A**

# CLOSURE COST CALCULATION



SCS Engineers TBPE Reg. # F-3407

Item No.	Description	Estimated Quantity	Units	Approx. Unit Cost	Extended Cost	Notes	
A	State Administration of Site Closure		-				
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed	
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	\$4,000.00		
3	Procure Bids	1	LS.	\$2,000.00	\$2,000.00		
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00		
В	General Cleanup of Site and Process Unit	5				2	
1	Cleanup and remove waste stored onsite	1,000	Tons	\$6.00	\$6,000.00	max waste to be stored on site per SOP	
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	1,000	Tons	\$35.00	\$35,000.00	Large capacity transfer trucks (cost based on operator experience)	
3	General cleamup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00		
4	Vector control procedures	1	L.S.	\$1,500.00	\$1,500.00	Assumes site requires one treatment by pest control co.	
5	Contaminated Water Disposal	4,000	Gallons	\$0.10	\$400.00	Assumes cost of transportation and disposal at appropriate facility. Includes cost of disposing volume in 2000 gallon storage tank, plus additional washdown.	
С	Secure Site						
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00		
D	Certification of Abandonement and Completion of Cleanup						
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00		
2	Sample/test/classify waste (ash. liquids, sludge, other waste not readily identifiable as garbage, trash, refuse). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00		
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated	
	Subtotal				\$68,900.00		
E	Contingency Cost (15%)				\$10,335		
	GRAND TOTAL				\$79,235		
	1 million and a second s		100 B				

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

SCS ENGINEERS November 2021

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN



**Prepared by:** 

#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021

817/571-2288

Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021 SCS Project No. 16219083

# **TABLE OF CONTENTS**

<u>SECTIO</u>	<u>)N</u>			PAGE
1	INTRO	ODUCTI	ION	IV-1
	1.1	Gener	al Facility Design	IV-1
	1.2	Gener	al Facility Operation	IV-1
	1.3	Gener	al Facility Personnel	IV-2
		1.3.1	Transfer Station Manager	
		1.3.2	Equipment Operators	۶ IV-2
		1.3.3	Gate Attendants	
		1.3.4		IV-3
	1.4	Genero	al Facility Equipment	SCS Engineers
		1.4.1	Equipment for Emergencies	<b>TBPE Reg. # F-3407</b> IV-4
2	WAS	TE ACC	CEPTANCE AND ANALYSIS (30 TAC §330.203)	IV-5
	2.1	Waste	Sources and Characteristics	IV-5
	2.2	Measu	res for Controlling Prohibited Wastes	IV-7
		2.2.1	Managing of Prohibited Wastes	IV-8
		2.2.2	Load Inspection Procedure	IV-9
	2.3	Waste	Acceptance Rate	IV-9
	2.4	Waste	Storage and Processing Time	IV-10
	2.5	Waste	Disposal	IV-10
	2.6	Waste	and Effluent Testing	IV-10
3	FACII	LITY - G	GENERATED WASTES (30 TAC §330.205)	IV-11
4	CON	TAMINA	ATED WATER MANAGEMENT (30 TAC §330.20	7)IV-12
5	STOR	RAGE RE	EQUIREMENTS (30 TAC §330.209)	IV-13
6	APPR	OVED	CONTAINERS (30 TAC §330.211)	IV-14
7	CITIZ	en's co	OLLECTION STATION (30 TAC §330.213)	IV-15
8	REQU	JIREMEN	NTS FOR STATIONARY COMPACTORS (30 TAC	§330.215)IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Confrol
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

# TABLES

- IV-1 Summary of Personnel
- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

## **APPENDICES**

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

# 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

# 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream for proper management either through recycling per 30 TAC Chapter 328 of the TCEQ regulations or transported to permitted landfills where they will be split in half, quartered or shredded prior to disposal.

# 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in 330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in 330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

# 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, contaminated water holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. The contaminated water holding tank and interconnecting piping for grit trap/sump will be dual-contained. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank, sump, and associated piping will be inspected on a twice monthly basis. The tank will be inspected for evidence of leaks (water in the outside dualwall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Furthermore, consistent with 30 TAC §330.207(g), the concentration of oil and grease of wastewater to be hauled to a permitted treatment facility will not exceed 200 milligrams per liter

or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System. Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

# 6 APPROVED CONTAINERS (30 TAC §330.211)

Solid waste entering the facility is transferred from incoming haul vehicles to the tipping floor. Waste that is placed on the tipping floor will be transferred to transfer trailer vehicles via loading equipment. The transfer trailers will be durable and designed for safe handling and cleaning. The transfer trailers will be equipped with tarps or covers to be used during transport. In addition, the trailers are designed to prevent spillage or leakage during storage, handling, and transport, which are approved containers consistent with §330.211.

The transfer trailers are washed, as necessary, so that they do not constitute a nuisance and to restrict the harborage, feeding, and propagation of vectors.

Reusable containers emptied manually must be capable of being serviced without physical contact with waste.

Records To Be Maintained	Rule Citation
6. Documents, manifests, shipping documents, trip tickets, etc., involving special waste	§330.219(b)(6)
7. Other document(s) as specified by the approved Permit or by the executive director	§330.219(b)(7)
8. Record retention provisions for trip tickets consistent with §312.145	§330.219(b)(8)
9. Alternative schedules and notification requirements, if applicable	§330.219(g)
10. Inspection records and training procedures relating to fire prevention and facility safety	§330.221
11. Access control breach and repair notices	§330.223
12. Waste unloading/prohibited waste discovery	§330.225
13. Record of alternative operating hours if applicable	§330.229(b)

All reports and other information requested by the executive director will be signed by the owner or operator of the facility as described in \$305.44 or by a duly authorized representative of the owner or operator. Consistent with \$330.219(c)(2), if an authorization is no longer accurate because of a change in individuals or position, a new authorization satisfying the requirements of the rule will be submit to the executive director prior to, or together with, any reports, information, or applications to be signed by an authorized representative. In accordance with \$330.219(c)(1)(A)-(C), a person is a duly authorized representative only if:

- 1. The authorization is made in writing by the owner or operator as described in §305.44(a);
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility or activity or for environmental matters for the owner or operator, such as the position of plant manager, environmental manager, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the executive director of the TCEQ.

The person signing the report will make the certification in accordance §305.44(b).

Additionally, annual reporting shall be submitted to the executive director of the TCEQ in accordance with §330.675(b).

# 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility. The water tank will be maintained with a minimum water level of 75% of the total capacity, with the exception of immediately after use. To ensure adequate pressure to reach the far corner of the tipping floor, the tank will also be equipped with a booster pump.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;
- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

### 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

### 12 ACCESS CONTROL (30 TAC §330.223)

Fences and gates encompassing the entire transfer station facility will control public access to the transfer station. Access will be limited to the gated site entrance on State Highway 24 (SH 24). This site entrance will be secured by a gate that is monitored by site personnel during normal site operating hours. During extended operating hours (nights and weekends), the gate attendant may be replaced with an operator. Outside operating hours, the gates at the entrance and exit will be locked.

### 12.1 SITE SECURITY

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the transfer station facility is minimized by controlling access with fences and gates with the entrance road secured by a locking gate. The perimeter fence will consist of an 8-foot-high privacy fence, with exception of fencing along the entrance road up to the entrance gate, which will be 6-foot-high chain-link fence.

The site entrance located off of SH 24 will serve the transfer station. This site entrance is secured by a gate, and access to the transfer station is monitored by a site attendant that may consist of a Scale Attendant, Equipment Operator, Laborer or the Transfer Station Manager who will be on site during operating hours. Outside the operating hours, the gates at the entrance and exit will be locked.

Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, authorized users, and properly identified persons whose entry is authorized by site management. 30 TAC §330.223(b) requires safety bumpers at hoppers for vehicles. The transfer station layout does not contain hoppers; therefore, this regulation is not applicable to this facility.

The site's perimeter fencing and gates will be inspected once weekly for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a third party company will perform repairs, as necessary.

The gates on the north and east permit boundaries are to enable the existing soil borrow operation to utilize the site entrance road for their operations, which will not interfere with the safe operation of the transfer station, consistent with TCEQ's rules.

### 12.2 TRAFFIC CONTROL

Access to the transfer station is limited to the site entrance located off of SH 24. Vehicular traffic to and from the transfer station will utilize this single access road. The site all weather access road will be at least 22-foot wide to accommodate two-way traffic entering and exiting the facility. The site exit onto SH 24 will be controlled by a stop sign. The site entrance/exit location and traffic flow directions are shown on Figure III-1.3. The site entrance/exit road, as well as the internal access roadways are designed for the projected facility traffic and will provide the appropriate width and turning radii for the waste vehicles to prevent a disruption in traffic flow at the facility.

Mud and dust will be controlled in accordance with Section 19.0 of this SOP. The gate attendant or other designated employee will restrict site access to designated authorized vehicles and direct these vehicles appropriately. All visitor and employee parking and equipment storage will be located in an area outside of the transfer station traffic flow.

Signs located at the entrance of the transfer station direct solid waste transportation vehicles to the appropriate unloading/loading areas. Site personnel provide traffic directions as necessary to facilitate safe movement of vehicles.

### 15 OPERATING HOURS (30 TAC §330.229)

To promote efficient, safe and sanitary operations at the facility, and to prevent any disruption of solid waste management services in the area, the following operating hours will apply:

Waste Acceptance Hours	5:00 a.m. to 6:00 p.m., Monday – Saturday
Heavy Equipment Hours	4:00 a.m. to 7:00 p.m., Monday - Saturday

General Facility Operations (i.e. floor cleaning, preventative maintenance, office work, janitorial services) 24 hours per day, seven days a week

Disaster or Emergency Hours; Additional Temporary Hours (Regional Office Approval, as needed – Document in Operating Record)

Alternative Operating Hours; Up to five additional days per annum (Special Occasions, Events, Holidays – Document in Operating Record)

The actual hours and days of operation will be posted on the entrance sign.

Hours of operation beyond the standard operating hours listed in 30 TAC § 330.229(a) are necessary to support the hauling operations that will utilize the facility and to ensure the efficient and timely receipt, processing, and transfer of solid waste for offsite disposal. Hauling operations in the area provide routine collection services on Saturdays and during the early morning hours. Extended hours will assist the owner and operator in properly managing the demand and ensuring compliance with the approved site development and operating plans for the facility. General facility operations will typically occur outside waste acceptance and heavy equipment operating hours to avoid interference with solid waste management activities at the transfer station.

### 16 FACILITY SIGN (30 TAC §330.231)

A conspicuous and readable sign will be displayed at the site entrance off of SH 24. The sign will measure at least 4 feet by 4 feet, and have lettering at least 3 inches in height stating the name of the site, type of site, hours and days of waste acceptance, an emergency 24-hour contact phone number(s), the local emergency fire department phone number, and the TCEQ Permit number. Another sign will list all prohibited wastes from receipt at the facility as discussed in this SOP and will be located along the facility entrance road. Other signs stating rules, operating procedures, and warnings will also be posted in this area.

Within the site, signs will be placed along the transfer station access road at an adequate frequency to direct users to the transfer station structure.

Signs prohibiting smoking will be posted near the facility entrance or scale house. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

### 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter throughout the facility will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

As described in Section 2.1.2 of Part III, Site Development Plan and as indicated on Figure III-1.4, a 30-foot long, six-foot chain link fence will be installed on the north and south ends of the building for control of wind-blown waste. This fence will be supplemented by portable wind fences which will be placed at the building openings at appropriate times, including during wind events and at time of closure each day.

# 18 MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)

The transfer station manager will take steps to encourage operators of open-top vehicles hauling waste to the facility to utilize tarpaulins, nets, or other means to effectively secure their loads. In addition to routine checks by the gate attendant, actions such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges or similar measures will be taken to control the spillage of waste en route to the transfer station facility. On days when the facility is in operation, the transfer station manager will be responsible for at least once per day cleanup of waste spilled along and within the right-of-way of all public access roads serving the facility for a distance of 2 miles in either direction from the entrance to the facility. The transfer station manager or his designee will consult with TxDOT officials as necessary concerning cleanup of state highways and rights-of-way consistent with 30 TAC §330.235.

### 19 FACILITY ACCESS ROADS (30 TAC §330.237)

The scale house area and entrance/exit road to/from the transfer station facility are designed to be accessible in all weather conditions. The entrance/exit road and all internal facility roadways are surfaced with asphalt or concrete. The surface condition of these roads will be maintained and repaired regularly to minimize potholes or low spots to promote positive drainage. The surfacing of all site roadways will minimize the tracking of mud and trash onto public roads. Dust control will be provided through a street sweeper and/or water truck, as needed. Any tracked mud and associated debris that accumulates on facility roadways will be cleaned by washing down, sweeping, or scraping, as necessary, to minimize tracking those materials onto the public roadways. Litter and any other debris will be monitored at least daily, and picked up on an asneeded basis and taken to the transfer station for disposal as discussed in Section 18.0 of this plan.

Fugitive dust emissions will be minimized by the surfacing or watering of all on-site roadways and regular cleaning procedures.

# 21 OVERLOADING AND BREAKDOWN (30 TAC §330.241)

The design capacity of the facility of 1,000 tons per day will not be exceeded. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harboring of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

The maximum volume of waste that will be stored at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor. No storage of waste materials will occur off the tipping floor, other than loaded transfer vehicles waiting to haul waste off-site.

If a significant work stoppage should occur at the facility due to a mechanical breakdown or other causes, the facility will accordingly restrict the receipt of solid waste. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. If waste remains on the tipping floor during these periods, cover tarps will be used to control potential odors, flies and other vectors. The maximum holding time under these circumstances will not exceed 48 hours, except holidays and weekends. During holidays and/ or weekends, waste may be temporarily stored at the facility not to exceed a time period of 72 hours. Waste is generally stored for less than 24 hours.

If the work stoppage is anticipated to last longer than the time periods noted above, steps will be taken to remove the accumulated solid waste from the site to an approved backup processing or disposal facility.

### 30 FACILITY INSPECTION AND MAINTENANCE

Table IV-6 outlines the inspection and maintenance lists of the facility. The transfer station manager or a designee will perform the tasks. The inspection documentation will be retained in the operating record.

ITEM	TASK	Frequency
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	Daily as specified in Section 17.0.
Waste Spilled on Route to the Facility	Inspection and cleanup of waste materials along and within the right-of-way of the public access roads serving the transfer station (i.e., SH 24) at least 2 miles from the facility entrance, as needed.	Daily as specified in Section 18.0.
Facility Access/Egress Roads	Inspect facility access/egress roads for damage from vehicle traffic or excessive mud accumulation. Maintain as needed. Grading equipment will be used as needed to control or remove mud accumulations from being tracked onto SH 24.	Weekly or more often during wet weather or extended dry weather periods.
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily
Perimeter Swales and Channels	Inspect drainage features to verify that they are functioning as designed (e.g., excess sediment removed, outlet structures intact), as applicable.	Weekly and within 72-hours of a rainfall event of 0.5 inches or more.
Contaminated Water Holding Tank, Sump, and Piping	Inspect contaminated water holding tank, sump, and associated piping for evidence of leaks.	Twice Monthly

### **Table IV-6 Facility Inspection and Maintenance List**

### APPENDIX IV-1 Waste Acceptance Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

11/24/21 Prepared by:

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 Revision 2: November 2021

SCS Project No. 16219083

### **TABLE OF CONTENTS**

#### **SECTION**

#### PAGE

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

### TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

### 2 WASTE ACCEPTANCE

Special wastes listed above, other than the incidental special wastes contained in the waste loads, that are to be received at the transfer station must be preapproved by the landfill that will receive the waste in accordance with the receiving landfill's special waste screening and acceptance procedures and the landfill-specific Waste Acceptance Plan (WAP). Since each landfill's WAP will include its own limiting parameters, the transfer station will include the limiting parameters of the landfill as those to be applied to special wastes received at the transfer station. Such special waste evaluation and approval will take place prior to delivery of the waste to the transfer station. If there are any questions about the acceptability of the special waste, the transfer station manager (or his designee) will clarify the matter with the disposal facility manager prior to approving the special waste at the transfer station. Typically, the special waste analyst for the landfill will utilize information provided by the generator (e.g., waste-specific chemical and characteristic information or process knowledge information) to determine the acceptability of a waste for disposal at the landfill. The landfill's special waste analyst will be responsible for maintaining and utilizing current TCEQ guidelines and constituent limits for evaluation of wastes. The landfill's special waste analyst will also be responsible for knowing and applying future changes to regulatory guidelines, review and acceptance procedures. This information will be provided to the appropriately trained transfer station personnel prior to waste acceptance at the transfer station.

Special waste review procedures will include:

- 1. The Special Waste Profile (SWP) must be completely filled out and legible including addresses, contact names, phone numbers and signatures.
- 2. The information must include sufficient information to provide the analyst a clear understanding of the waste's type, origin, shipping method rate of delivery and total amount. If the description is insufficient, additional information will be requested of the generator.
- 3. The physical characteristics of the waste must include information on the chemical and physical properties of the waste sufficient to allow the analyst to identify the waste and correlate the properties to the appropriate TCEQ and Federal regulations. It is important that this, and all portions of the profile, be completely filled out. By signing the profile the generator certifies the information is accurate.
- 4. Site specific evaluation. The landfill's analyst will confirm that each special waste is acceptable in accordance with local, TCEQ and federal regulations as well the transfer station and receiving landfill.
- 5. The landfill's analyst may request additional information from the generator including additional analytical, process description, and Safety Data Sheets (SDS).

When a special waste arrives at the site, transfer station personnel may randomly select samples to visually compare the material presented for acceptance to the approved SWP to confirm that the physical characteristics (color, odor, appearance) of the material matches what is described on the profile. In the event the physical characteristic of the waste differs from the profile, the load will be detained and appropriate personnel called to investigate/evaluate the matter. The generator will be notified. Additional process and chemical analysis may be requested. If the discrepancies cannot be resolved, the load will be rejected.

## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

## Administratively Complete – September 2021

*Prepared for* Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

### SCS ENGINEERS

SCS Project No. 16219083 | September 2021 Revision 1

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



### Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations and Amendments

This checklist is designed to provide guidance for the Municipal Solid Waste (MSW) rules found in Title 30 Texas Administrative Code (30 TAC) Chapter 330, for Type I, IV and V registration, permit, and permit amendment applications. Areas of the checklist that are shaded in gray are for information purposes only.

Applicant Information								
Transfer Station Solut	ions, LLC							
Josh	Last name	Bray						
President		Prefix:	Mr					
P.O. Box 6427								
Paris	State: TX	Zip code:	75461					
joshbray@suddenlink	mail.com							
Co	Insultant Information							
Ryan	Last name:	Kuntz						
Vice President		Prefix:	Mr					
SCS Engineers								
1901 Central Drive								
Bedford	State: TX	Zip code:	76021					
rkuntz@scsengineers	.com							
Арр	lication Information							
Highway 24 Transfer S	Station							
8/12/2021								
605924968		MSW ID: 2411						
111320396	Authorization Type:	Permit						
Hunt	Application Type:	New Permit						
	A Transfer Station Soluti Josh President P.O. Box 6427 Paris joshbray@suddenlinkn Co Ryan Vice President SCS Engineers 1901 Central Drive Bedford rkuntz@scsengineers App Highway 24 Transfer S 8/12/2021 605924968 111320396 Hunt	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentItast nameP.O. Box 6427Itast nameParisState: TXjoshbray@suddenlinkmail.comItast name:Consultant InformationRyanLast name:Vice PresidentItast name:SCS EngineersItast name:1901 Central DriveBedfordBedfordState: TXrkuntz@scsengineers.comItalianApplication InformationHighway 24 Transfer Station8/12/2021Authorization Type:605924968Authorization Type:HuntApplication Type:	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentPrefix:P.O. Box 6427Zip code:ParisState: TXZip code:joshbray@suddenlinkmail.comConsultant InformationRyanLast name:KuntzVice PresidentPrefix:SCS EngineersPrefix:1901 Central DrivePrefix:BedfordState: TXZip code:rkuntz@scsengineers.comImage: CommunicationHighway 24 Transfer Station8/12/2021MSW ID:2411111320396Authorization Type:PermitHuntApplication Type:New Permit					

Please fill out application information before selecting and filling out a checklist.

ID	App. Part	Checklist Item	Item Type	Citation	Complete?	Location	Applicant Comments	Application Area
1	General	Submit all four parts of the permit, permit	Required	330.57(a) & (b)	Yes	Parts I/II, III, and IV		Format-
2	General	Submit TCEQ Part I Form (Form No. 0650)	Required	330.57(c)(1)	Yes	Parts I/II		Forms
8	General	Part II of the application contains location and	Informational	330.57(c)(2)		-		Format-
9	General	Part III of the application contains design	Informational	330.57(c)(3)		-		Format-
10	General	Part IV of the application contains the site operating plan	Informational	330.57(c)(4)		-		Format- Application
11	General	The application should address all aspects of application and design requirements, even to show why not applicable (N/A)	Informational	330.57(d)		-		Format- Application
12	General	Submit data of sufficient completeness, accuracy and clarity	Required	330.57(d)	Yes	Parts I/II, III, and IV		Format- Application
13	General	Failure to provide complete information may be cause for ED to return application.	Informational	330.57(d)		-		Format- Application
14	General	and 3 copies)	Required	330.57(e)	Yes	Parts I/II, III, and IV		Application
15	General	Provide 4 copies for NOD Responses including 1 copy with marked revisions (redline/strikeout)	Required	330.57(g)(6)	Yes	NA		Format- Application
16	General	Application must be prepared in accordance with Texas Occupations Code, Texas Engineering Practice Act, Chapter 1001 and Texas Geoscience Practice Act, Chapter 1002	Informational	330.57(f)		-		Format- Application
17	General	Provide a PE signature, seal and date on the title page of each bound engineering report or individual engineering plan, and on each engineering drawing	Required	330.57(f)(1)	Yes	Parts I/II, and III		Format- Application
18	General	Provide PG sign, seal, & date for applicable items	Required	330.57(f)(2)	Yes	Parts I/II		Format- Application
19	General	Applications that are not sealed are incomplete and shall be returned	Informational	330.57(f)(3)		-		Format- Application
20	General	Submit the application in three ring-binders	Required	330.57(g)(1)	Yes	Parts I/II, III, and IV		Format- Application
21	General	Submit Title Page with Name, Application No., Site Operator Name, Operator Name (if applicable), Location, Date Prepared and Revision Date(s)	Required	330.57(g)(2)	Yes	Parts I/II, III, and IV		Format- Application
22	General	Provide Table of Contents with PE seal	Required	330.57(g)(3)	Yes	Parts I/II		Format- Application
23	General	Use 8.5x11 inch or 11x17 paper (folded to 8.5x11 inch)	Required	330.57(g)(4)	Yes	Parts I/II, III, and IV		Format- Application
24	General	Provide pages with date (original and revised) and sequential page numbers	Required	330.57(g)(5)	Yes	Parts I/II, III, and IV		Format- Application
25	General	Provide legible drawings/maps	Required	330.57(h)(1)	Yes	Parts I/II, and III		Format- Maps/Drawing s
26	General	Provide color coding on all figures and drawings that is legible and distinct after copying in black & white	Required	330.57(h)(2)	Yes	Parts I/II, and III		Format- Maps/Drawing s
27	General	Provide a standard engineering scale on each figure or drawing	Required	330.57(h)(3)	Yes	Parts I/II, and III		Format- Maps/Drawing s
28	General	Provide a dated title block on each figure or drawing	Required	330.57(h)(4)(A)	Yes	Parts I/II, and III		Format- Maps/Drawing
29	General	Provide a bar scale at least 1 inch on all figures and drawings	Required	330.57(h)(4)(B)	Yes	Parts I/II, and III		Format- Maps/Drawing s
30	General	Provide a revision block on all figures and drawings	Required	330.57(h)(4)(C)	Yes	Parts I/II, and III		Format- Maps/Drawing s

31	General	Provide a PE or PG seal ,if required, on all figures and drawings	Required	330.57(h)(4)(D)	Yes	Parts I/II, and III	
32	General	Include drawing number and a page number on each drawing and figure	Required	330.57(h)(4)(E)	Yes	Parts I/II, and III	
33	General	Include a north arrow on each map or plan drawing	Required	330.57(h)(5)(A)	Yes	Parts I/II, and III	
34	General	Include a reference to base map & date of most current base map used, if the map is based upon another map	Required	330.57(h)(5)(B)	Yes	Parts I/II, and III	
35	General	Include a legend on each map or plan drawing	Required	330.57(h)(5)(C)	Yes	Parts I/II, and III	
36	General	Provide match lines and section lines that reference the drawing where the match or section is shown.	Required	330.57(h)(6)	Yes	NA	
45	General	Acknowledge that the construction and operation of the waste management facility shall comply with Subchapter U of 30 TAC Chapter 330 (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations) or other approved air authorizations. Owners or operators of these types of facilities should consult with the Air Permits Division on or before the date that the municipal solid waste application is filed with the executive director	Acknowledgement	330.55(a)	Yes	Yes	
46	General	Acknowledge that all liquids resulting from the operation of solid waste facilities shall be disposed of in a manner that will not cause surface water or groundwater pollution. Facilities shall provide for the treatment of wastewaters resulting from waste management activities and from cleaning and washing. Owners or operators shall ensure that storm water and wastewater management is in compliance with the regulations of the commission	Acknowledgement	330.55(a)	Yes	Yes	
49	General	It is the responsibility of an owner or operator to possess or acquire a sufficient interest in or right to the use of the surface estate of the property for which a permit is issued, including the access route. The granting of a permit does neither convey any property rights or interest in either real or personal property; nor does it authorize any injury to private property, invasion of personal rights, or impairment of previous contract rights; nor any infringement of federal, state, or local laws or regulations outside the scope of the authority under which a permit is issued	Informational	330.67(a)			
51	General	Executive director approval or a permit will be required if any on-site operations subsequent to closure of a landfill facility involve disturbing the cover or liner of the landfill.	Informational	330.67(c)			
52	General	It is the responsibility of an owner or operator to obtain any permits or approvals that may be required by local agencies such as for building construction, discharge of uncontaminated waters into ditches under control of a drainage district, discharge of effluent into a local sanitary sewer system, etc.	Informational	330.67(d)			

Format- Maps/Drawing
S S
Format-
Maps/Drawing
Format-
Maps/Drawing
S Format-
Maps/Drawing
s
Format-
Maps/Drawing
s Format-
Maps/Drawing
 s s
Other
Authorizations
Other
Authorizations
General
Information
General
Information
General
Information
1

58	General	If at any time during the life of the facility the owner or operator becomes aware of any condition in the permit or registration that necessitates a change to accommodate new technology or improved methods or that makes it impractical to keep the facility in compliance, the owner or operator shall submit to the executive director requested changes to the permit or registration in accordance with 30 TAC §305.62 or §305.70 and must be approved prior to their implementation	Informational	330.73(a)			
60	General	The owner or operator shall obtain and submit certification by a Texas-licensed professional engineer that the facility has been constructed as designed in accordance with the issued registration or permit and in general compliance with the regulations prior to initial operation. The owner or operator shall maintain that certification on site for inspection	Informational	330.73(d)			
61	General	After all initial construction activity has been completed and prior to accepting any solid waste, the owner or operator shall contact the executive director and region office in writing and request a pre-opening inspection. A pre- opening inspection shall be conducted by the executive director within 14 days of notification by the owner or operator that all construction activities have been completed, accompanied by representatives of the owner or operator and the engineer	Informational	330.73(e)			
62	General	The MSW facility shall not accept solid waste until the executive director has confirmed in writing that all applicable submissions required by the permit or registration and this chapter have been received and found to be acceptable, and that construction is in compliance with the permit or registration and the approved site development plan. If the executive director has not provided a written or verbal response within 14 days of completion of the pre-opening inspection, the facility shall be considered approved for acceptance of waste	Informational	330.73(f)			
63	General	Identify if the Regulated Entity or Customer has any delinquent fees	Required	330.59(h), 330.671, 330.675	Yes	NA	
64	Part I	Provide a copy of the application, including all revisions and supplements on a publicly accessible Web site	Required in Part I Form	330.57(i)(1)			
65	Part I	Provide the commission with the Web address link for the application materials	Required in Part I Form	330.57(i)(1)			
66	Part I	Signature Page must have signature and notarization	Required in Part I Form	330.59(a)(1)			
67	Part I	Applicant's name, mailing address & phone no.	Required in Part I Form	330.59(a)(1)			_
68	Part I	Description of the nature of the business	Required in Part I Form	330.59(a)(1)			
69	Part I	Activities that require a permit (conducted at the facility)	Required in Part I Form	330.59(a)(1)			
70	Part I	Location description, facility name & mailing address	Required in Part I Form	330.59(b)(1); 305.45(a)(1)			
71	Part I	Access routes	Required in Part I Form	330.59(b)(2)			
72	Part I	Lat. & Long. of the facility	Required in Part I Form	330.59(b)(3)			
73	Part I	Lat. & Long. depicted	Required in Part I Form	330.59(c)(1)(A)			
74	Part I	All maps should show the facility location	Required in Part I Form	305.45(a)(6)			

General Information
General Information
General Information
General Information
Delinquent Fees
Part I Form
1 41 1 1 01 111

76	Part I	All maps should show other structures or locations regarding the regulated facility and associated activities	Required in Part I Form	305.45(a)(6)		
77	Part I	At least one map with a scale not less than 1 inch = 1 mile	Required in Part I Form	305.45(a)(6)		
78	Part I	Permit/Registration boundary and 1 mile	Required in Part I Form	330.59(c)(1)(B)		
79	Dort I	Wolls, springs, surface water bodies	Poquirod in Part I Form	305.45(2)(6)(A)		
15	ratti	Character of adjacent land including public	Required in Fart Form	505.45(a)(0)(A)		
80	Part I	roads, towns, development as residential, commercial, agricultural, etc.	Required in Part I Form	305.45(a)(6)(B)		
81	Part I	Location of any waste disposal activities conducted on the tract but not included in the application	Required in Part I Form	305.45(a)(6)(C)		
82	Part I	General location map, TXDOT, scale of $\frac{1}{2}$ inch = 1 mile and most current map used	Required in Part I Form	330.59(c)(2)		
83	Part I	Land Ownership Map, within ¼ mile & mineral interest ownership	Required in Part I Form	330.59(c)(3)(A)		
84	Part I	Land Ownership List both in hardcopy and electronic form (alternatively pre-printed mailing labels)	Required in Part I Form	330.59(c)(3)(B)		
85	Part I	Legal description of property or other documentation of ownership	Required in Part I Form	330.59(d)(1)(A)		
86	Part I	If Platted; plat record with county, book, page number and acreage information	Required in Part I Form	330.59(d)(1)(B)		
87	Part I	Signed, sealed and dated surveyed metes and bounds description of the facility	Required in Part I Form	330.59(d)(1)(C)		
88	Part I	Signed & sealed metes & bounds drawing	Required in Part I Form	330,59(d)(1)(D)		
89	Part I	Signed property owner affidavit	Required in Part I Form	330 59(d)(2)		
90	Part I	Acknowledge that State may hold owner	Required in Part I Form	330.59(d)(2)(A)		
92	Part I	Acknowledge that the owner & State shall have access during life of the facility and during	Required in Part I Form	330.59(d)(2)(C)		
94	Part I	Verified legal status of applicant and list of persons with 20% or more ownership in the facility	Required in Part I Form	330.59(e)		
95	Part I	Ownership status as federal, state, private, public, or other	Required in Part I Form	305.45(a)(2)		
96	Part I	List of all Texas solid waste sites that the owner or operator has owned or operated within the last ten years. The site name, site type, permit or registration number, county, and dates of operation shall also be submitted.	Required in Part I Form	330.59(f)(1)		
97	Part I	List of all solid waste sites in all states, territories, or countries in which the owner or operator has a direct financial interest. The type of site shall be identified by location, operating dates, name, and address of the regulatory agency, and the name under which the site was operated.	Required in Part I Form	330.59(f)(2)		
98	Part I	Shall employ a licensed solid waste facility supervisor before operating	Required in Part I Form	330.59(f)(3)		
99	Part I	Names of principals & supervisors owner or operators organization together with previous affiliations with other organizations involved with solid waste activities	Required in Part I Form	330.59(f)(4)		
101	Part I	Signatory meets 305.44, documentation of delegated signatory authority	Required in Part I Form	330.59(g)		
102	Part I	Corporations – signed by a corporate officer	Required in Part I Form			
103	Part I	Partnership or proprietorship –signed by a general partner or proprieto1	Required in Part I Form			
104	Part I	Municipality, public agency –signed by an executive officer or elected official	Required in Part I Form			
105	Part I	Signatory certification statement	Required in Part I Form			

Part I Form
Part I Form
 Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form

106	Part I	Hazardous Waste Management	Required in Part I Form	305.45(a)(7)(A)			
107	Part I	Underground Injection Control	Required in Part I Form	305.45(a)(7)(B)			
108	Part I	NPDES	Required in Part I Form	305.45(a)(7)(C)			
109	Part I	Prevention of Significant Deterioration	Required in Part I Form	305.45(a)(7)(D)			
110	Part I	Nonattainment Program	Required in Part I Form	305.45(a)(7)(E)			
111	Part I	NESHAPS	Required in Part I Form	305.45(a)(7)(F)			
112	Part I	Ocean dumping permit	Required in Part I Form	305.45(a)(7)(G)			
113	Part I	Dredge & fill permit	Required in Part I Form	305.45(a)(7)(H)			
114	Part I	Licenses under the TRCA	Required in Part I Form	305.45(a)(7)(I)			
115	Part I	Other environmental permits	Required in Part I Form	305.45(a)(7)(K)			
116	Part I	Permit Application Fee is \$2050.00	Required in Part I Form	THSC 361.0675			
117	Part I	Permits Section, if paid by check.	Required in Part I Form	330.59(h)(1)			
118	Part I	Prepared by PE, PG, or qualified person	Required in Part I Form	330.57(f)			
119	Part I	Description of facility & systems	Required in Part I Form	305.45(a)(8)(A)			
120	Part I	Volume, average & max rate of disposal for each place of disposal	Required in Part I Form	305.45(a)(8)(B)(i)			
121	Part I	Physical, chemical, thermal, organic, bacteriological, radiological properties of waste	Required in Part I Form	305.45(a)(8)(B)(ii)			
122	Part I	Other reasonable information	Required in Part I Form	305.45(a)(8)(C)			
123	Part II	Provide the sources and characteristics of all waste to be accepted.	Required	330.61(b)(1)	Yes	Section 2.2	
124	Part II	Specify parametric limitations of each type of waste to be managed by the facility	Required	330.61(b)(1)	Yes	Section 2.2	
125	Part II	Provide a brief description of the general sources and generation areas contributing wastes to the facility. This description shall include an estimate of the population or population equivalent served by the facility	Required	330.61(b)(1)(A)	Yes	Section 2.2	
126	Part II	Provide a descriptive narrative that describes the percentage of incoming waste that must be recovered and its intended use	Required if Requested	330.61(b)(1)(A)	Yes	NA	
127	Part II	Provide the maximum amount of solid waste to be received daily and annually projected for five years. Provide the maximum amount of solid waste to be stored and the maximum and average lengths of time that solid waste is to remain at the facility. Provide the intended destination of the solid waste received at this facility.	Required	330.61(b)(1)(B)	Yes	Section 2.2.4	
130	Part II	Provide any site specific conditions that require special design considerations & possible mitigation of conditions identified under sections (h) – (o)	Required	330.61(a)	Yes	Section 3.7	
131	Part II	Provide information regarding the likely impacts of the facility on cities, communities, groups of property owners, or individuals.	Required	330.61(h)	Yes	Section 3.1	
132	Part II	Provide information on the compatibility of the facility with surrounding land use, zoning in the vicinity, community growth patterns, and other factors associated with the public interest.	Required	330.61(h)	Yes	Section 3.1	
133	Part II	Provide information on the character of surrounding land use within one mile	Required	330.61(h)(2)	Yes	Section 3.1.2	
134	Part II	Provide information about the growth trends within five miles & directions of development	Required	330.61(h)(3)	Yes	Section 3.1.3 and 3.1.4	
135	Part II	Indicate the proximity to residences & items listed in 330.61(c)(4) & (12), ~ no. of residences & commercial establishments including direct & distance to nearest, population density, all within one mile.	Required	330.61(h)(4)	Yes	Section 3.1.5	

Part I FormPart I FormP	
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Vaste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Vaste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Kaste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions Existing Conditions	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Conditions Existing Conditions	Part I Form
Part I Form Part I Form Part I Form Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Part I Form Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions Existing Condition	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Waste         Acceptance         Plan         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Part I Form
Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions	Waste
Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Acceptance Plan
Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions         Existing       Conditions	Waste
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions	Acceptance Plan
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions	
Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions Existing Conditions	Waste
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Plan
Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Facility Impact       Facility Impact         Existing       Conditions         Existing       Conditions         Existing       Conditions	Waste
Plan Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Facility Impact Existing Conditions Existing Conditions	Acceptance
Waste Acceptance PlanFacility ImpactFacility ImpactFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting ConditionsExisting ConditionsExisting Conditions	 Plan
Facility Impact         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Waste Acceptance Plan
Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Existing Conditions Existing Conditions Existing Conditions	Facility Impact
Existing Conditions Existing Conditions	Existing Conditions
Existing Conditions	Existing Conditions
I	Existing Conditions

136	Part II	Indicate all wells and the well density within 500 ft.	Required	330.61(h)(5)	Yes	Section 3.1.6 and Appendix I/II-C		Existing Conditions
137	Part II	Provide any other information requested by the ED	Required	330.61(h)(6)	Yes	NA	No other information requested by the ED.	Existing Conditions
138	Part II	Provide data on availability & adequacy of access roads	Required	330.61(i)(1)	Yes	Section 3.2.1		Transportation
139	Part II	Provide the existing & expected traffic volumes on access roads within one mile of the facility during the expected life of the facility	Required	330.61(i)(2)	Yes	Section 3.2.2		Transportation
140	Part II	Provide an estimate of traffic volume generated by the facility on access roads within one mile of the facility	Required	330.61(i)(3)	Yes	Section 3.2.3		Transportation
141	Part II	Provide documentation of coordination for roadway improvements and documentation of coordination with TXDOT for traffic and location restrictions	Required	330.61(i)(4)	Yes	Appendix I/II-A.3		Transportation
146	Part II	Provide notice to the airport & the FAA for MSW units within 6 miles of a small airport or within 5 miles of a large commercial airport.	Required	330.545(b)	Yes	NA	330.545(b) is not applicable for transfer stations	Transportation
148	Part II	Discuss in general terms the geology and soils of the proposed site	Required	330.61(j)(1)	Yes	Section 3.3		Geology
152	Part II	Provide data on site specific groundwater conditions	Required	330.61(k)(1)	Yes	Section 3.4.1		Groundwater and Surface Water
153	Part II	Provide data on surface water at or near the site	Required	330.61(k)(2)	Yes	Section 3.4.2		Groundwater and Surface Water
154	Part II	Provide information on how facility will comply with applicable Texas Pollutant Discharge Elimination System (TPDES) storm water permitting requirements and the Clean Water Act, §402, as amended This may include the information requires by 30 TAC 330.61(k)(3)(A) & (B)	Required	330.61(k)(3)	Yes	Section 3.4.3		Groundwater and Surface Water
155	Part II	As applicable, provide a certification statement indicating the owner/operator will obtain the appropriate TPDES permit coverage when required	Required	330.61(k)(3)(A)	Yes	Section 3.4.3		Groundwater and Surface Water
156	Part II	As applicable, provide a copy of permit number under an individual wastewater permit	Required	330.61(k)(3)(B)	Yes	NA		Groundwater and Surface Water
157	Part II	Provide the location of any water wells.	Required	330.61(l)(1)	Yes	Appendix I/II-C		Abandoned Oil and Water Wells
158	Part II	All water supply wells must be outside monitoring system or approved in the permit	Informational	330.61(l)(1)		-		Abandoned Oil and Water Wells
160	Part II	Provide the location of oil & gas wells production wells may remain if identified & don't disrupt operations	Required	330.61(l)(2)	Yes	Section 3.1.6 and Appendix I/II-C		Abandoned Oil and Water Wells
161	Part II	Production wells may remain if identified & they do not disrupt facility operations	Informational	330.61(l)(2)		-		Abandoned Oil and Water Wells
162	Part II	Indicate if the facility is within the 100yr floodplain. If facility within a floodplain see location restrictions in 30 TAC Chapter 330 Subchapter M	Required	330.61(m)(1)	Yes	Section 3.5.1		Floodplains and Wetlands
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6		Endangered Species

_							
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment.	Required	330.61(n)(2)	Yes	Section 3.6 and Appendix I/II-B.1	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(n)(2)	Yes	Appendix I/II-B.1	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code)	Required	330.61(o)	Yes	Section 3.1.5	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code). If the WWTP permit contains coordination and a review letter from the Texas Historical Commission, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(o)	Yes	Appendix I/II-A.2	
168	Part II	Provide documentation that Parts I and II of the application were submitted for review to the applicable council of governments for compliance with regional solid waste plans.	Required	330.61(p)	Yes	Appendix I/II-A.1	
169	Part II	Acknowledgement that the owner or operator requested a review letter from any local government, as appropriate for compliance with local solid waste plans. A review letter is not a prerequisite to a final determination on a permit or registration application.	Acknowledgement	330.61(p)	Yes	Appendix I/II-A.1	
170	Part II	Provide a constructed map showing boundary, zoning, & land use within one mile including info from 330.61(c)(4), (5), & (10) (schools, hospitals, etc.)	Required	330.61(g)	Yes	Figure I/II-5	
171	Part II	Provide the prevailing wind direction with a wind rose.	Required	330.61(c)(1)	Yes	Figure I/II-2	
172	Part II	Provide the location of all known water wells within 500 feet of the proposed permit boundary with the state well numbering system designation for Water Development Board "located wells".	Required	330.61(c)(2)	Yes	Appendix I/II-C	
173	Part II	Provide the location of all structures and inhabitable buildings within 500 feet of the facility	Required	330.61(c)(3)	Yes	Figure I/II-5	

Endangered Species
Endangered Species
Endangered Species
Historical Commission
Historical Commission
COG Review
COG Review
Maps/Drawing s
Maps/Drawing s
Maps/Drawing s
Maps/Drawing

1								
174	Part II	Provide the location of all schools, licensed day- cares, churches, hospitals, cemeteries, ponds, lakes, residential, commercial, & recreational areas within one mile of the facility	Required	330.61(c)(4)	Yes	Figure I/II-5		Maps/Drawing s
175	Part II	Provide the location and surface type of roads used for access within one mile of the facility	Required	330.61(c)(5)	Yes	Figure I/II-7		Maps/Drawing s
176	Part II	Provide the latitude & longitude of the facility	Required	330.61(c)(6)	Yes	Figure I/II-1		Maps/Drawing
177	Part II	Provide the location of all area streams	Required	330.61(c)(7)	Yes	Figure I/II-9		Maps/Drawing
178	Part II	Provide the location of all airports within six	Required	330.61(c)(8)	Yes	NA	No airports located within six miles	Maps/Drawing
179	Part II	Indicate the property boundary of facility	Required	330.61(c)(9)	Yes	Figure I/II-4		Maps/Drawing
180	Part II	Indicate all drainage, pipeline, and utility	Required	330.61(c)(10)	Yes	NA		Maps/Drawing
181	Part II	Provide the location of all access control	Required	330.61(c)(11)	Yes	Figure I/II-6		Maps/Drawing
182	Part II	Provide the location of all archaeological sites, historical sites, and sites with an aesthetic quality adjacent to the facility	Required	330.61(c)(12)	Yes	NA	No such sites adjacent to facility	Maps/Drawing
183	Part II	Provide a facility layout map	Required	330.61(d)	Yes	Figure I/II-6		Maps/Drawing
184	Part II	A set of maps may be provided	Informational	330.61(d)		-		Maps/Drawing
186	Part II	Provide the location of interior roads	Required	330.61(d)(2)	Yes	Figure I/II-6		Maps/Drawing
187	Part II	Indicate the location of monitor wells	Required	330.61(d)(3)	Yes	NA		Maps/Drawing
188	Part II	Provide the location of all facility buildings	Required	330.61(d)(4)	Yes	Drawing I/II-6		Maps/Drawing
189	Part II	Provide notes on sequence of development	Required	330.61(d)(5)	Yes	NA		Maps/Drawing
190	Part II	Indicate the location of all facility fencing	Required	330.61(d)(6)	Yes	Drawing I/II-6		Maps/Drawing
192	Part II	Indicate the location of site entrance roads	Required	330.61(d)(8)	Yes	Drawing I/II-6		Maps/Drawing
198	Part II	Provide a general topographic maps: USGS 7.5 minute or equivalent one map at scale 1 in. = 2.000 ft.	Required	330.61(e)	Yes	Drawing I/II-2		Maps/Drawing
199	Part II	Provide Aerial Photograph(s) that are at least 9 in. by 9 in. at scale range of one inch = 1,667- 3,334 ft. that covers an area at least one mile in radius of the site. Facility boundary and fill areas (as applicable) must be shown.	Required	330.61(f)	Yes	Figure I/II-3		Maps/Drawing s
200	Part II	A series of photos showing growth trends may be used	Informational	330.61(f)(2)		-		Maps/Drawing
201	Part II	All submitted prints & photocopies must be legible	Informational	330.61(f)(3)		-		Maps/Drawing
202	Part II	Provide zoning map within two miles and a copy of any nonconforming use or special permit required for the facility	Required	330.61(h)(1)	Yes	NA	No published zoning maps within 2 miles of facility	Maps/Drawing
210	Part II	No solid waste disposal operations are permitted in the 100yr, floodway	Informational	330.547(a)		-		Floodplains and Wetlands
211	Part II	Demonstrate that, a facility located in 100 year flood plains, does not restrict the flow of the 100 yr. flood, reduce temporary storage capacity, or result in washout of solid waste so as to pose a hazard to human health and the environment	Required	330.547(b)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
212	Part II	Demonstrate that storage and processing facilities are located outside of the 100 year floodplain.	Required	330.547(c)	Yes	Drawing I/II-9		Floodplains and Wetlands

213	Part II	For storage and processing facilities located within the 100 year floodplain, please provide a demonstration that the facility is designed to prevent washout during a 100 year storm event, or a conditional letter of map amendment from the Federal Emergency Management Administration administrator	Required	330.547(c)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
214	Part II	Acknowledge if the facility will be located in wetlands.	Acknowledgement	330.553(a) & (b)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
215	Part II	Demonstrate, if located within wetlands, that there is no practicable alternative location	Required	330.553(b)(1)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
216	Part II	Acknowledge that the facility's construction & operations shall not cause or contribute to violations of state water quality standards, violation of any applicable toxic effluent standard or prohibition under the Clean Water Act §307; jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine protection, Research, & Sanctuaries Act	Acknowledgement	330.553(b)(2)(A) - (D)	Yes	Appendix I/II-B		Floodplains and Wetlands
217	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of native wetland soils, muds, and deposits used to support the landfill	Required	330.553(b)(3)(A)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
218	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of dredged and fill materials used to support the landfill	Required	330.553(b)(3)(B)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
219	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the volume and chemical nature of the waste managed in the landfill unit	Required	330.553(b)(3)(C)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
220	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the impacts on fish, wildlife, and other aquatic resources and their habitat for the release of solid waste	Required	330.553(b)(3)(D)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
221	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the potential effects of catastrophic release of waste to the wetlands and the resulting impacts on the environment	Required	330.553(b)(3)(E)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
222	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing any additional factors, as necessary, to demonstrate that ecological resources in the wetland are sufficiently protected	Required	330.553(b)(3)(F)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
223	Part II	Sufficient information shall be provided to the ED to allow a reasonable determination to be made with respect to the demonstrations cited in 30 TAC §330.553(b)	Informational	330.553(b)(5)		-		Floodplains and Wetlands
224	Part II	Provide the steps taken to achieve no net loss of wetlands	Required	330.553(b)(4)	Yes	NA	No wetlands on site	Floodplains and Wetlands

225		Acknowledge that the operation of this facility				Section 3.6	
	Part II	shall not result in the destruction or adverse modification of the critical habitat of and provide or threatened species	Acknowledgement	330.551(a)	Yes		
226	Part II	The term "Harassing" means; An intentional or negligent act or omission that creates the likelihood of injury to wildlife	Informational	330.551(b)(1)		-	
227	Part II	The term "Harming" means; An act of omission that actually injures or kills wildlife, including acts that annoy it to such an extent as to significantly disrupt essential behavioral natterns	Informational	330.551(b)(2)		-	
228	Part II	The term "Taking" means; collecting an endangered or threatened species or attempting to engage in such conduct	Informational	330.551(b)(3)		-	
229	Part II	Acknowledge that no solid waste unloading, storage, disposal, or processing operations shall occur within any easement, buffer zone, or right of-way that crosses the facility	Acknowledgement	330.543(a)	Yes	Yes	
268	Part II	Submit information for on-site local geologic or geomorphologic features	Required	330.559(2)	Yes	Section 3.3	
269	Part II	Identify local human-made features or events	Required	330.559(3)	Yes	NA	
270	Part III	Describe facility access control features	Required	330.63(b)(1)	Yes	Section 2.1	
271	Part III	Submit a process design for the facility [that includes items 330.63(b)(2)(A) through 330.63(b)(2)(I)]	Required	330.63(b)(2)	Yes	Section 2.0 and Drawings III-1.1 through III-1.8.	
272	Part III	Submit a flow diagram(s) to describe the storage, processing, and disposal sequences for each type of waste and/or feedstock/recyclable	Required	330.63(b)(2)(A)	Yes	Drawing 1.2	
273	Part III	Submit a schematic view drawing(s) showing phases for collection, separation and processing/disposal of each type of waste and/or feedstock/recyclable material	Required	330.63(b)(2)(B)	Yes	Drawing 1.3	
274	Part III	Provide ventilation & odor control measures for each unit	Required	330.63(b)(2)(C)	Yes	Section 2.2.3	
275	Part III	Provide construction details of storage, processing units & components, dimensions, capacity, materials used, etc.	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	-
276	Part III	Provide performance data for all storage and processing units and ancillary equipment	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	
278	Part III	Submit location and engineering designs for containment of storage, processing and loading & unloading areas including freeboard	Required	330.63(b)(2)(F)	Yes	Drawings III-1.4, III-1.5, and III-1.8.	
279	Part III	Describe the storage and handling of grease, oil and sludge, including the maximum time waste will be on-site and details of ultimate disposition	Required	330.63(b)(2)(G)	Yes	NA	The facil therefo
280	Part III	Provide details of effluent disposal	Required	330.63(b)(2)(H)	Yes	NA	
281	Part III	Provide designs for noise pollution control	Required	330.63(b)(2)(I)	Yes	Section 2.25	
282	Part III	Describe how the processing areas will be designed for proper cleaning and to prevent surface water runoff onto, into, and off the treatment areas	Required	330.63(b)(3)(A)	Yes	Section 2.3	
283	Part III	Describe construction material used for walls and floors that can be hosed down and scrubbed	Required	330.63(b)(3)(B)	Yes	Drawing III-1.8	
284	Part III	Describe water or steam connections and equipment for cleaning	Required	330.63(b)(3)(C)	Yes	Section 2.3	
285	Part III	Provide adequate floor drains and/or sumps	Required	330.63(b)(3)(D)	Yes	Section 2.3	

	Endangered Species
	Endangered Species
	Endangered Species
	Endangered Species
	Easements and Buffer Zone
	Geology
	Geology
	General Facility Design
acility will not accept or store grease, oil, or sludge; efore, the requirements of §330.63(b)(2)(G) do not apply	General Facility Design

286						Section 2.3.2	
200	Part III	Describe proper disposal of liquids resulting from waste processing, cleaning, and washing and provide for the treatment of waste water	Required	330.63(b)(4)	Yes	5CC1011 2.5.2	
287	Part III	Describe how facility will be designed to protect endangered species	Required	330.63(b)(5)	Yes	Section 2.4	
336	Part III	Submit if applicable, a floodplain development permit from any agency with jurisdiction over the proposed improvements	Required if Requested	330.63(c)(2)(D)(ii)	Yes	NA	
337	Part III	Submit if applicable a Conditional Letter of Map Amendment from FEMA	Required if Requested	330.63(c)(2)(D)(iii)	Yes	NA	
338	Part III	Submit if applicable, Corps of Engineers Section 404 Specification of Disposal Sites for Dredged or Fill Material permit for construction of all necessary improvements	Required if Requested	330.63(c)(2)(D)(iv)	Yes	NA	
339	Part III	Provide for storage & transfer units a description of design features for the rapid processing and minimum detention of solid waste at the facility	Required	330.63(d)(1)(A)	Yes	Section 4.0	
340	Part III	Provide design features for a facility to prevent the creation of nuisances or public health hazards	Required	330.63(d)(1)(A)	Yes	Secion 4.0	
545	Part III	Indicate that a characterization of the contaminated groundwater, including concentrations of assessment constituents as defined in \$330.409	Required	330.63(f)(7)(A)	Yes	NA	
701	Part III	Specify in the closure plan that the operator will begin closure no later than 30 days after final receipt of waste or no later than one year if the unit has remaining capacity and additional waste may be received	Required	330.457(f)(3)	Yes	NA	
702	Part III	Provide for closure activities to be completed within 180 days of initiation	Required	330.457(f)(4)	Yes	NA	
704	Part III	Acknowledge that following receipt of closure documents and the inspection report by the TCEQ region, the ED may acknowledge termination of operation & closure & deem the facility properly closed	Acknowledgement	330.457(f)(6)	Yes	Yes	
706	Part III	Indicate that notice of closure will be published in the newspaper of largest circulation 90 days prior to the initiation of a final facility closure. The notice shall provide the name, address, and physical location of the facility; the TCEQ authorization number; and the last date of intended receipt of waste.	Required	330.461(a)	Yes	Section 2.0	
707	Part III	Acknowledge that notice of closure will be provided to the ED 90 days prior to the initiation of a final facility closure and that the owner or operator will also make available an adequate number of copies of the approved final closure and post-closure plans (if applicable) for public access and review	Acknowledgement	330.461(a)	Yes	Yes	
708	Part III	Acknowledge that least one closure sign will be posted at every point of access and notify all persons who utilize the facility of the date of closure and the prohibition against further receipt of waste materials	Acknowledgement	330.461(b)	Yes	Yes, Section 2.0	
709	Part III	Indicate that suitable barriers will be installed at all access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.	Required	330.461(b)	Yes	Section 2.0	

	General Facility Design
	General
	Surface Water
	Drainage Report
	Surface Water
	Drainage Report
	Surface Water Drainage Report
	Waste
	Management Unit Design
	Waste
	Unit Design
	Groundwater
	Analysis Plan
Only applicable to landfill units	Closure Plan
Only applicable to landfill units	Closure Plan

710	Part III	Indicate that an Affidavit to the Public will be submitted to the ED by registered mail, if waste will remain onsite and indicate that The Owner or Operator will also record a certified notation on the deed to the facility property that the land has been used as a landfill and submit a certified copy of the modified deed to the ED.	Required if Requested	330.461(c )(1)	Yes	Section 3.0	
711	Part III	Acknowledge that a certification, signed by a P.E., will be provided within 10 days of final closure activities, verifying that final facility closure has been completed in accordance with the approved closure plan and will include all applicable documentation necessary for certification	Acknowledgement	330.461(c)(2)	Yes	Yes, Section 3.0	
713	Part III	The owner or operator may request permission from the ED to remove the notation from the deed if all wastes are removed from the facility	Informational	330.461(d)		-	
714	Part III	Submit a closure plan for Storage and Processing units to remove all waste, waste residues, and any recovered materials. Units shall be dismantled and removed off-site or decontaminated	Required	330.459(a)	Yes	Part III, Attachment 2	
715	Part III	Provide plans for the evacuation of all material on-site to an authorized facility and the disinfecting of all contaminated water handling units, tipping areas, processing and post- processing areas (as applicable)	Required	330.459(b)	Yes	Section 2.0	
716	Part III	Acknowledge that if there is evidence of a release, the ED may require an investigation, assessment, and or corrective action.	Acknowledgement	330.459(c)	Yes	Yes, Section 2.0	
717	Part III	Submit a plan (if combustible material is stored outdoors) for closure of a recycling facility that includes collecting processed and unprocessed materials, and transporting the materials to an authorized facility for disposition	Required	330.459(d)(1)	Yes	NA	
718	Part III	Provide for the closure plan to be implemented (if combustible material is stored outdoors) and completed within 180 days following the most recent acceptance of processed or unprocessed materials	Required	330.459(d)(2)	Yes	NA	1
737	Part III	Submit cost estimates for closure & post- closure. Existing facilities must submit a copy of the financial assurance documentation. New facilities must submit financial assurance within 60 days prior to receipt of waste	Required	330.63(j)	Yes	Attachment 3	
742	Part III	Provide cost estimates to close a Recycling facility that stores combustible materials	Required	330.505(a)(1)	Yes	NA	
743	Part III	Provide a closure cost estimate that equals the costs of closure of the facility, including disposition of the maximum inventories of all waste; processed and unprocessed combustible materials stored outdoors on site during the life of the facility	Required	330.505(a)(2)(A)	Yes	Attachment 3, Table III-3.1	
744	Part III	Provide a closure cost estimate that is based on the costs of hiring a third party that is not affiliated with the owner or operator; and is based on a per cubic yard and/or short ton measure for collection and disposition costs.	Required	330.505(a)(2)(B-(C )	Yes	Attachment 3, Section 2.0	

	Closure Plan
	Closure Plan
	Closure Plan
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
	Closure Cost Estimates

745		Dravida for the alcours cast actimate & financial				Attachment 3, Section 2.0	
	Part III	which increase the maximum cost of closure at any time during the active life of the facility	Required	330.505(a)(3)	Yes		
746	Part III	A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure at any time during the remaining life of the facility	Required if Requested	330.505(a)(4)	Yes	Attachment 3, Section 2.0	
747	Part III	Provide for the maintenance of financial assurance for Recycling facilities that store combustible materials outdoors or that pose a risk	Required	330.505(b)(1)	Yes	NA	
748	Part III	Provide for the maintenance of financial assurance until closure is approved by ED.	Required	330.505(b)(2)	Yes	Attachment 3, Section 2.0	
758	Part IV	A site operating plan shall cover all on-site units in accordance with Subchapters D & E of Chapter 330.	Informational	330.65(a)		-	
785	Part IV	Indicate that the facility will provide the reports required by 30 TAC §330.675 to the Executive Director	Required	330.675	Yes	Section 10.0	
988	Part IV	Provide information identifying any permit required under the TPDES and any permit requirements imposed by other agencies for a grease, grit, & septage processing facility	Required	330.65(d)	Yes	NA	Section 2.1
989	Part IV	Identify source & characteristics of wastes that will be received and Specify any limiting parameters that may influence the design and operation of the facility	Required	330.203(a)	Yes	Section 2.1	
990	Part IV	Provide estimate of the amount of each waste to be received daily, max amount stored at any one time, max & average time waste will remain on- site, max & average processing time, intended destination of generated wastes, & description of how 10% will be recovered if applicable.	Required	330.203(b)	Yes	Section 2.3 and 2.4	
991	Part IV	Acknowledge that 10% recovery of material for beneficial use is considered to be the recovery of fats, oil, and greases, but does not include the recovery of water	Acknowledgement	330.203(b)	Yes	Yes	
1000	Part IV	Acknowledge that failure to achieve the relevant 10 percent recycling rate in any two quarters within any one-year period will cause a registration to terminate and will require the owner or operator of the facility to obtain a permit to continue facility operations.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1
1001	Part IV	Provide for a quarterly report to be submitted that will include volume of waste received, percent solids, and the method of determining the percent solids, processed, disposed, and recycled or reused	Required	330.9(g)(1)	Yes	NA	Section 2.1
1002	Part IV	Provide in the quarterly report, the method(s) utilized to achieve at least 10% recycling or reuse of incoming material	Required	330.9(g)(1)	Yes	NA	Section 2.1
1003	Part IV	Submit a quarterly report that reconciles the volume of waste with the amounts on manifests, shipping documents, or trip tickets and indicate where the recyclable material was taken for recycling	Required	330.9(g)(1)	Yes	NA	Section 2.1
1004	Part IV	Acknowledge that the addition of any material such as lime, polymer, or flocculent added as part of the recycling process is not allowed to be considered as part of the 10% recovery of material from the waste stream and must be subtracted from the material considered as recycled.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1

	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan

	r							1
1005	Part IV	Acknowledge that diverting material from the waste stream without processing is not considered to be recycling as part of this	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
		activity.						
1006		Provide the characteristics and constituent concentrations of wastes generated by the				Section 3.0		
	Deat B7	facility and indicate that documentation that all	De moine d		Vee			Site Operating
	Part IV	wastes leaving the facility can be adequately	Required	330.205(a)	Yes			Plan
		managed by other authorized facilities will be						
		provided						
1007	Dort IV	must be processed or disposed at an authorized	Poquirod	330.205(b)	Yos	Section 3.0		Site Operating
1007	Pattiv	solid waste management facility	i Kequirea	330.203(D)	res			Plan
1008		Indicate that all wastewaters generated by a				Section 3.0		
	Part IV	facility shall be managed as contaminated water	Required	330.205(c)	Yes			Site Operating
		in accordance with 330.207	_					Plali
		Indicate that the facility shall be designed and				Section 3.0		
1010		operated to produce a sludge that is acceptable			N a a		The facility will not generate sludges, therefore the	Site Operating
1010	Part IV	at municipal solid waste landfills and does not	Required if Requested	330.205(d)	Yes		requirements of §330.205(d) do not apply.	Plan
		exceed standards specified in 30 TAC						
1011		Indicate that sludges exceeding the limits shall				Section 3.0	-	
-		not be disposed in municipal solid waste						
		landfills and must be sent to an authorized						
		facility for further processing or disposal as a					The facility will not generate sludges, therefore the	Site Operating
	Part IV	hazardous waste, as appropriate or disposed in	Required If Requested	330.205(d)	Yes		requirements of §330.205(d) do not apply.	Plan
		a municipal solid waste landfill with dedicated						
		Class 1 industrial solid waste cells if the sludge						
		is nonhazardous.						
1012		The owner or operator shall not discharge				-		Site Operating
	Part IV	contaminated water without specific written	Informational	330.207(a)				Plan
		authorization.						1 Iuli
		Provide a plan that describes how all liquids				Section 4.0		
1013	Part IV	resulting from the operation of the facility shall	Required	330.207(a)	Ves			Site Operating
1015	Tartiv	be disposed of in a manner that will not cause	Required	550.207 (d)	163			Plan
		surface water or groundwater pollution.						
1014		Indicate that contaminated water shall be				Section 4.0		Site Operating
	Part IV	collected and contained until properly managed.	Required	330.207(b)	Yes			Plan
1015		Indicate that leachate shall be collected and				N A		Site Operating
1015	Part IV	contained until properly managed	Required	330.207(b)	Yes	NA		Plan
		Indicate that collection units other than storage				NA		1 Iuli
1016	Dort IV	tanks shall have a clay or synthetic liner and the	Paguirad If Paguastad	220.207(b)	Yes		There are no other collection units other than storage	Site Operating
1010	Pattiv	liner shall be constructed in accordance with 30	Kequileu li Kequesteu	330.207(D)	res		tanks at the facility.	Plan
1010		TAC §330.331(b)						
1018	Part IV	Indicate that the use of leachate & gas	Required	330.207(c)	Yes	NA	No mining will be performed at facility	Site Operating
		Indicate that the facility will not discharge to a				NA	Section 2.1 the facility will not accent or process grease	Site Operating
1019	Part IV	septic system	Required	330.207(d)	Yes	112 1	grit, or septage.	Plan
1020		Indicate that off-site discharge of contaminated				Section 4.0		
	Part IV	waters shall be made only after approval under	Required	330 207(e)	Yes			Site Operating
	Turtiv	the Texas Pollutant Discharge Elimination	Required	550.201 (c)	100			Plan
1021		System authority Acknowledge that wastewaters discharged to a				ΝA		
1021		facility permitted under Texas Water Code,				11/1		
		Chapter 26 must not interfere with or pass-						
		through the treatment facility processes or						
		operations, interfere with or pass-through its					Section 2.1 the facility will not accent or process grease	Site Operating
	Part IV	sludge processes, use, or disposal or otherwise	Acknowledgement	330.207(f)(1)	Yes		grit, or sentage.	Plan
		be inconsistent with the prohibited discharge					Burd or ochinger	
		standards, including 40 Code of Federal						
		Regulations Part 403, General Pretreatment						
		Regulations for Existing and New Source						

Indicate that the daily effluent design standard for oil and grease concentration leaving the			NA		
1022Part IVPart IVPart IVPart IVRequired1022Part IVConcentration established in the wastewater discharge permit pretreatment limit or the concentration established by the treatment facility permitted under Texas Water Code, 	330.207(g)	Yes		Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1023Indicate that lagoons, open-top storage tanks, open vessels, and underground storage units are prohibited at liquid waste transfer facilitiesRequired	330.207(h)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1024       Provide plans demonstrating that all waste shall be stored in such a manner that it does not constitute a fire, safety, or health hazard or provide food or harborage for animals and vectors, and shall be contained or bundled so as not to result in litter       Required	330.209(a)	Yes	Section 5.0		Site Operating Plan
Provide a description of on-site storage area for source-separated or recyclable materials that is separate from a transfer station or process area and provides for the control of odors, vectors, and windblown waste       Required If Requested	330.209(b)	Yes	NA, Section 5.0	Since the transfer station will not have an area to receive or stor	Site Operating Plan
1026       Provide plans for process area of transfer         stations that recover material from putrescible       or liquid waste. Such plans shall provide for the         or liquid waste. Such plans shall provide for the       storage of processed and unprocessed waste &         recycled materials in enclosed buildings,       vessels, or containers	330.209(c)	Yes	NA, Section 5.0	Since the transfer station will not have provisions for the recovery of recyclable materials, the requirements of §330.209(c) do not apply.	Site Operating Plan
1027       Provide a plan that describes how all waste         containing food wastes shall be stored in         Part IV       covered or closed containers that are leak-proof,         durable, and designed for safe handling and         easy cleaning	330.211	Yes	Section 6.0		Site Operating Plan
1028       Part IV       Indicate that nonreusable containers shall be of suitable strength to minimize vector scavenging or rupturing.       Required	330.211(1)	Yes	Section 6.0		Site Operating Plan
1029Indicate that reusable containers must be maintained in a clean condition as not to constitute a nuisance, harbor, feed, and propagate vectors.Required	330.211(2)	Yes	Section 6.0		Site Operating Plan
1030Indicate that any containers emptied manually Part IVRequired3Part IVmust be capable of being serviced without physical contact with waste.Required3	330.211(2)(A)	Yes	Section 6.0		Site Operating Plan
1031Part IVIndicate that containers that are mechanically handled must be designed to prevent spillage/leakage during storage, handling, and transport.Required	330.211(2)(B)	Yes	Section 6.0		Site Operating Plan
1032     Provide a plan that describes how a citizen's collection stations shall be operated in accordance with 30 TAC §330.213     Required If Requested	330.213(a)	Yes	NA		Site Operating Plan
1033       Indicate that it is the responsibility of the person that owns or operates the collection center to provide for the collection of deposited waste on a scheduled basis and supervise the facility in order to maintain it in a sanitary condition.       Required If Requested	330.213(a)	Yes	NA		Site Operating Plan

		A citizen's collection station may accept sharps				NA		
1034	Part IV	from single-family or multi-family dwellings, hotels, motels, or other establishments that provide lodging and related services for the public. The sharps will not be considered medical waste, as defined in 30 TAC §330.3	Required If Requested	330.213(b)	Yes			Site Operating Plan
1035	Part IV	Provide operational standards for stationary compactors that describe how they will operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition.	Required If Requested	330.215(1) and (2)	Yes	NA, Section 8.0	The Highway 24 Transfer Station will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.	Site Operating Plan
1036	Part IV	Indicate that a copy of the permit or registration, application, and any other plans or related documents, and as-built plans will be maintained in the site operating record and shall be made available for inspections by agency representatives or other interested parties	Required	330.219(a)	Yes	Section 10.0		Site Operating Plan
1037	Part IV	Indicate that operator shall record & retain location restriction demonstrations, inspection records, training procedures, closure plans, monitoring, testing, analytical data relating to closure, cost estimates, financial assurance documents, all correspondence, modification, approvals, manifests, shipping documents, tickets relating to special waste, & documents as specified by the executive director in the operating record.	Required	330.219(b)(1) - (7)	Yes	Section 10.0		Site Operating Plan
1038	Part IV	Indicate that trip tickets will be maintained according to the record retention provisions in 30 TAC 8312 145	Required	330.219(b)(8)	Yes	Section 10.0		Site Operating Plan
1040	Part IV	Indicate that all reports will be signed by a person who is a duly authorized as a signatory for reports. A person is duly authorized if authorized in in writing by the owner or operator in accordance with 30 TAC §305.44(a) and the authorization specifies individual or position with responsibility and this written authorization is submitted to the executive	Required	330.219(c)(1)(A) - (C)	Yes	Section 10.0		Site Operating Plan
1041	Part IV	Acknowledge that if the authorization to sign is not longer accurate a new authorization will be	Acknowledgement	330.219(c)(2)	Yes	Yes		Site Operating Plan
1042	Part IV	Indicate that any person signing a report shall make the certification in 305.44(b).	Required	330.219(c)(3)	Yes	Section 10.0		Site Operating Plan
1043	Part IV	Indicate that the operator shall maintain records on-site, available for inspection by the executive director for a period consisting of the two most recent calendar years	Required	330.219(d)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1045	Part IV	Indicate that the results of final product testing under 30 TAC §330.613 or §332.71 will be maintained in the site operating record	Required	330.219(d)(2)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1046	Part IV	Indicate that copies of annual reports will be maintained in the site operating record for 5yrs	Required	330.219(d)(3)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1047	Part IV	Indicate that the site operating record shall be furnished and available for inspection by executive director.	Required	330.219(e)	Yes	Section 10.0		Site Operating Plan
1048	Part IV	Indicate that the operator shall retain site operating record for the life of the facility	Required	330.219(f)	Yes	Section 10.0		Site Operating Plan
1049	Part IV	Indicate that the executive director may set alternative recordkeeping & notification schedules.	Required	330.219(g)	Yes	Section 10.0		Site Operating Plan

-					•	
1051	Part IV	Provide a fire protection plan that describes the source of fire protection (a local fire department, fire hydrants, fire extinguishers, water tanks, water well, etc.), procedures for using the fire protection source, and employee training and safety procedures. The fire protection plan shall comply with local fire codes.	Required	330.221(c)	Yes	Section 11.0
1052	Part IV	Provide a description of the availability of water under pressure for firefighting purposes	Required	330.221(a)	Yes	Section 11.0
1053	Part IV	Provide a description of on-site firefighting equipment	Required	330.221(b)	Yes	Section 11.0
1054	Part IV	Indicate that all employees shall be trained in the contents and use of the fire protection plan	Required	330.221(c)	Yes	Section 11.1
1055	Part IV	Provide a description of the artificial barriers, natural barriers, or a combination of both, appropriate to protect human health and safety and the environment that are used to control access to the facility and indicate that uncontrolled access to the facility shall be	Required	330.223(a)	Yes	Section 12.0
1056	Part IV	Provide a description of the, minimum two lane, access road from the public road and how it is designed for expected traffic volumes and adequate turning radii.	Required	330.223(b)	Yes	Section 12.2
1057	Part IV	Provide a description of vehicle parking for equipment, employees, and visitors. Indicate that safety bumpers at hoppers must be provided for vehicles. And provide a description of the positive means to control dust and mud	Required	330.223(b)	Yes	Section 12.2
1058	Part IV	Provide a description of perimeter control fencing that includes having lockable gates and attendant on site during operating hours. Operating and transport areas shall be enclosed by walls or fencing	Required	330.223(c)	Yes	Section 12.1
1059	Part IV	Provide a description of the unloading areas and indicate that unloading areas will be confined to as small an area as practical and be monitored by attendant.	Required	330.225(a)	Yes	Section 13.0
1060	Part IV	Provide a description of the signs & forced access lanes used to prevent indiscriminate dumping	Required	330.225(a)	Yes	Section 13.0
1061	Part IV	Indicate that the facility is not required to accept any solid waste that he/she determines will cause or may cause problems in maintaining full and continuous compliance	Required	330.225(a)	Yes	Section 13.0
1062	Part IV	Provide procedures to ensure that waste in unauthorized areas is removed immediately and disposed of property.	Required	330.225(b)	Yes	Section 13.0
1063	Part IV	Provide procedures for the detection and prevention of the unloading of processing of prohibited wastes.	Required	3330.225©	Yes	Section 13.0
1064	Part IV	Indicate that prohibited waste must be returned immediately to the transporter or generator.	Required	330.225(c)	Yes	Section 13.0
1065	Part IV	Provide a description of how storage & processing areas are designed to control and contain worst case spill or release and will account for precipitation from a 25-year, 24-	Required	330.227	Yes	Section 14.0
1066	Part IV	Specify the waste acceptance and facility operating hours	Required	330.229(a)	Yes	Section 15.0

Site Operating Plan
Site Operating Plan

1067	Part IV	The waste acceptance hours may be any time between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, unless otherwise approved by the executive director or commission for a permit. The operating hours for operating heavy equipment and transporting materials on- or off-site may be any time between the hours of 5:00 a.m. and 9:00 p.m., Monday through Friday, unless otherwise approved in the authorization.	Required	330.229(a)	Yes	Section 15.0
1068	Part IV	Specify alternative operating hours of up to five days in a calendar year to accommodate special occasions, special purpose events, holidays, or other special occurrences	Required	330.229(b)	Yes	Section 15.0
1069	Part IV	Indicate that the facility will record in the site operating record the dates, times, and duration when any alternative operating hours are utilized.	Required	330.229(d)	Yes	Section 10.0
1070	Part IV	Indicate that the commission's regional offices may allow additional temporary operating hours to address disaster or other emergency situations, or other unforeseen circumstances that could result in the disruption of waste management services in the area.	Required	330.229(c)	Yes	Section 15.0
1071	Part IV	Indicate that a sign measuring at least 4' X 4' must be displayed at all entrances. Indicate that information on the sign must including the facility name and type, hours and days of operation, authorization number, and facility rules	Required	330.231	Yes	Section 16.0
1072	Part IV	Indicate that windblown material and litter shall be collected as necessary, throughout the facility, along fences and access roads, and at the gate, at least once per day on days that the facility is in operation, to minimize unhealthy, unsafe, or unsightly conditions.	Required	330.233(a)	Yes	Section 17.0
1073	Part IV	Indicate the measures used to control	Required	330.233(a)(1)	Yes	Section 17.0
1074	Part IV	Provide a description of fence or screen used to minimize windblown waste if the facility is not completely enclosed.	Required	330.233(b)	Yes	Section 17.0
1075	Part IV	Provide procedures to encourage waste hauling vehicles to cover loads that may include posting signs, reporting offenders, and assessing surcharges	Required	330.235	Yes	Section 18.0
1077	Part IV	Provide a description of all weather access roads at the facility and how the tracking of mud and debris onto public roadways will be minimized.	Required	330.237(a)	Yes	Section 19.0
1078	Part IV	Provide procedures use to ensure that dust from on-site and other access roadways shall not become a nuisance to surrounding areas and indicate that a water source and necessary equipment or other means of dust control shall be provided.	Required	330.237(b)	Yes	Section 19.0
1079	Part IV	Provide procedures to be used to maintain on site roads and minimize depressions, ruts, and potholes.	Required	330.237(c)	Yes	Section 19.0
1080	Part IV	Describe screening or other means used to prevent noise pollution & adverse visual impacts.	Required	330.239	Yes	Section 20.0
1081	Part IV	Provide procedures used to ensure that the design capacity of the facility shall not be exceeded and that waste will not be allowed to accumulate in quantities that create a nuisance, create odors, or harbor vectors	Required	330.241(a)	Yes	Section 21.0

Site Operating Plan
Site Operating Plan
Site Operating
Site Operating Plan

1082	Part IV	Provide procedures that describe how unprocessed grease, grit, & septage will only be stored up to 72hrs.	Required	330.241(a)(1)	Yes	NA	Section 2.1
1083	Part IV	Provide procedures that provide for the restriction, diversion or removal of waste if the facility experiences a significant work stoppage.	Required	330.241(b)	Yes	Section 21.0	
1084	Part IV	Provide an alternative processing/disposal procedures for when facility is inoperable for more than 24hrs.	Required	330.241(c)	Yes	Section 21.0	
1085	Part IV	Provide procedures for washing down all working surfaces in contact with waste at least weekly or twice per week for facilities that operate continuously.	Required	330.243(a)	Yes	Section 22.0	
1086	Part IV	Provide procedures to ensure that wash water shall not be allowed to accumulate without proper treatment.	Required	330.243(b)	Yes	Section 23.0	
1087	Part IV	Provide procedures that demonstrate that wash water shall be collected & disposed of in an authorized manner.	Required	330.243(c)	Yes	Section 4.0	
1088	Part IV	Acknowledge that air emissions from municipal solid waste facilities must not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act.	Acknowledgement	330.245(a)	Yes	Yes	
1090	Part IV	Provide a description of odor-retaining containers & vessels used to store liquid and solid waste	Required	330.245(c)	Yes	Section 23.0	
1091	Part IV	Provide a description of how the facility has been designed and will be operated to provide adequate ventilation and prevent nuisance odors from leaving boundary of facility	Required	330.245(d)	Yes	Section 23.0	
1092	Part IV	Indicate that air pollution emission capture & abatement equipment shall be cleaned and maintained per manufacturer's recommendations and as necessary so that the equipment efficiency can be adequately maintained	Required	330.245(e)	Yes	Section 23.0	
1093	Part IV	Provide a description of the measures/equipment, in accordance with 30 TAC §330.245(f)(1) – (4), that will be use to control odor at the facility.	Required	330.245(f)(1) - (4)	Yes	Section 23.0	
1094	Part IV	Indicate that the process areas that recover material from solid waste that contains putrescibles shall be maintained totally within an enclosed building and describe how openings to the process area shall be controlled to prevent releases of nuisance odors from leaving the property boundary of the facility.	Required	330.245(g)	Yes	Section 23.0	
1095	Part IV	Provide a description of how facility shall be designed to allow a minimal time of exposure of liquid waste to the air and minimize waste contact with air during unloading of liquid waste into the facility.	Required	330.245(h)	Yes	Section 23.0	
1096	Part IV	Acknowledge that the reporting of emissions events shall be made in accordance with §101.201 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements) and reporting of scheduled maintenance shall be made in accordance with §101.211 of this title (relating to Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements).	Acknowledgement	330.245(j)	Yes	Yes	

ction 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan						
	Site Operating Plan						
1097	Part IV	Provide procedures for the control of ponded water to avoid its becoming a nuisance and alleviate any objectionable odors	Required	330.245(k)	Yes	Section 23.0	Site Operating Plan
------	---------	---	----------	------------	-----	--------------	------------------------
1098	Part IV	Indicate that facility personnel will be trained in the appropriate sections of the facility's health and safety plan.	Required	330.247	Yes	Section 24.0	Site Operating Plan
1099	Part IV	Indicate that the facility shall provide potable water and sanitary facilities for all employees and visitors.	Required	330.249	Yes	Section 25.0	Site Operating Plan

August 2021

Applicant's Ex. 1, p. 000721

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS

9/8/2021

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## TABLE OF CONTENTS

<u>SEC</u>	<u>FION</u>		<u>PAGE</u>
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))	S-1
1	PRO	PERTY AND OWNERSHIP SUMMARY	1/11-1
	1.1	Facility Location and History (30 TAC §330.59(b))	1/11-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))	1/11-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))	1/11-1
	1.4	Easements (30 TAC §330.61(c)(10))	1/11-2
	1.5	Legal Authority (30 TAC §330.59(e))	1/11-2
	1.6	Evidence of Competency (30 TAC §330.59(f))	
	1.7	Appointments (30 TAC §330.59(g))	2/11-2
	1.8	Application Fees (30 TAC §330.59(h))	) 9/8/2021 
	1.9	Application Posting Information (30 TAC §330.57(i))	<b>0.7</b> 1/11-2
	1.10	) Required Permits/Authorizations (30 TAC §305.45(a)(7))	I/II-3
2	FAC	ILITY FEATURES AND WASTE ACCEPTANCE PLAN	I/II-5
	2.1	Proposed Permit	1/11-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))	1/11-5
		2.2.1 Waste Types and Generation Areas	I/II-5
		2.2.2 Projected Waste Acceptance Rate	I/II-8
		2.2.3 Population Equivalent	I/II-8
		2.2.4 Waste Storage and Disposal	I/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))	1/11-9
3	EXIS	TING CONDITIONS SUMMARY	I/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))	I/II-10
		3.1.1 Zoning	I/II-10

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind DirectionI/II-13
3.2	Transp	ortation Analysis (30 TAC §330.61(i)).
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16
	3.4.1	Groundwater ConditionsI/II-16
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-18

## TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

## **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List



SCS Engineers TBPE Reg. # F-3407

#### Transfer Station Solutions Highway 24 Transfer Station Supplementary Technical Report

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8). Transfer Station Solutions, LLC is applying to the Texas Commission on Environmental Quality (TCEQ) for a Type V MSW facility permit for a transfer station in Hunt County.

The transfer station will be located on a 5.9-acre tract located approximately four miles north of Campbell, Texas at 3491 State Highway 24 (SH 24). This tract is on the east side of SH 24 approximately 0.4 mile north of the intersection of SH 24 and Country Road 4317. The sole access road that will be used by vehicles accessing the facility is SH 24. In the vicinity of the transfer station, SH 24 is a two-lane asphalt-surfaced road maintained by the Texas Department of Transportation (TxDOT). There are no weight restrictions on this road other than the legal load limit of 80,000 pounds. The on-site road from SH 24 to the transfer station will be a paved, all-weather road.

The types of solid waste to be accepted at the transfer station include the following: municipal solid waste, construction-demolition waste, yard waste, and Class 2 and 3 nonhazardous industrial solid waste. Consistent with 30 TAC §330.15(e), the facility will not accept regulated hazardous waste, Class 1 industrial solid waste, PCBs, and all other prohibited waste defined therein.

All waste unloading and loading onto transfer trailers will be conducted within the transfer station building.

This transfer station will serve residences and businesses in Hunt County and surrounding counties. The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimate to be approximately 1,000 tons per day, or 312,000 tons per year. The annual waste transfer rate, described above, is based on 312 operating days per year.

The North Central Texas Council of Governments (NCTCOG) has developed the Regional Solid Waste Management Plan (RSWMP) for a 16 county region, which includes Hunt County. NCTCOG's RSWMP is presented in "Planning of Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. This RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed transfer station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

# 1 PROPERTY AND OWNERSHIP SUMMARY

The property ownership information for the Highway 24 Transfer Station is summarized in the following sections.

# 1.1 FACILITY LOCATION AND HISTORY (30 TAC §330.59(b))

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24), 0.4 mile north of the intersection of County Road 4317 (CR 4317) and SH 24. The site location is shown on Figure I/II-1. Additionally, a general topographic map is included as Figure I/II-2, an aerial photograph showing the site and access roads is included as Figure I/II-3, and surrounding land-use map is included as Figure I/II-5.

The transfer station property has not previously been used for solid waste operations.

The physical address for the transfer station property is 3491 Highway 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N 33.196833° latitude and W 95.923194° longitude.

# 1.2 PROPERTY DESCRIPTION AND OWNERSHIP INFORMATION (30 TAC §330.59(d))

The transfer station property is comprised of 5.9 acres, which is situated on a larger 52.38 acre property that encompasses the Highway 24 Transfer Station. The 52.38 acre property is depicted on the Boundary Survey, provided in the Legal Description portion of the Documentation section of Parts I/II. Also included in the Documentation section is a metes and bounds legal description and survey plat of the 5.9-acre transfer station property. The 52.38-acre property is owned by Lamar Partners, LLC. Upon issuance of the permit, Transfer Station Solutions will acquire the 5.9-acre parcel from Lamar Partners and submit the appropriate forms to notify the TCEQ of this change.

Ownership information is provided in the Documentation section of Parts I/II, including the legal description and Property Owner Affidavit. Additionally, ownership information is provided on the Part I Application Form (TCEQ-0650), included in the Application Forms section of Parts I/II.

# 1.3 LAND OWNERSHIP AND MINERAL INTEREST OWNERSHIP (30 TAC §330.59(c)(3))

The Hunt County Appraisal District Tax Rolls and Tax Maps were reviewed in 2020 to confirm land ownership within a ¼-mile of the transfer station property, mineral interest owners below the transfer station property, and others potentially affected by the Highway 24 Transfer Station. The land ownership list contains the name and mailing address of each land owner within ¼-mile radius of the transfer station property. The Appraisal District records did not indicate any mineral interest ownership under the property. Reference numbers are used to correlate the ownership shown on the land ownership list with the appropriate tract of land as shown on Figure I/II-4, Land

Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

## 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

# 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions No person or entity other than Transfer Station Solutions will own more than 20% of the proposed transfer station. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

# 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II.

# 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

# 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

# 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC 330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to this permit application will also be posted at the same location. This internet posting is for informational purposes only.

In accordance with 30 TAC \$330.57(i)(3), the owner or operator will post notice signs at the site within 30 days of the executive director's receipt of this application. The sign posting is for informational purposes only. The signs will:

- Have a white background and be no smaller than four feet by four feet
- Consist of dark lettering, with letters at least three inches in height and block printed capital lettering
- Identify, as appropriate, that the application is for a proposed facility
- Include the words "For further information on how the public may participate in Texas Commission on Environmental Quality (TCEQ) permitting matters, contact TCEQ," the toll free telephone number for the Office of Public Assistance, and the agency's Web site address
- Include the name and address of the owner or operator
- Include the telephone number of the owner or operator
- Remain in place and legible until the close of the final comment period

As applicable, signs will be located within ten feet of every property line bordering State Highway 24 (SH 24). The signs will be visible from the street and spaced at not more than 1,500-foot intervals. As such, a minimum of one sign, but no more than three signs, will be placed along SH 24.

# 1.10 REQUIRED PERMITS/AUTHORIZATIONS (30 TAC §305.45(a)(7))

In accordance with 30 TAC §305.45(a)(7), the required permits and authorizations for the facility are summarized below in Table I/II-1.1.

Permit/Authorization Status	Program
N/A	Hazardous Waste Management program under the Texas Solid Waste Disposal Act
N/A	Underground Injection Control (UIC) program under the Texas Injection Well Act
N/A	National Pollution Discharge Elimination Systems (NPDES) program under the Federal Clean Water Act (CWA) and Waste Discharge program under the Texas Water Code, Chapter 26
N/A	Prevention of Significant Deterioration (PSD) Program under the Federal Clean Air Act
N/A	Nonattainment Program under the Clean Air Act
N/A	National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act

 Table I/II-1.1
 Required Permits/Authorizations

N/A	Ocean dumping permits under the Marine Protection Research and Sanctuaries Act
N/A	Dredge and fill permits under the Federal Clean Water Act
N/A	Licenses under the Texas Radiation Control Act
RQD	NPDES Stormwater Pollution Control §402 Permit
N/A	U.S. Army Corps of Engineers Dredge and Fill Permit §404
N/A	Subsurface area drip dispersal system permits under the Texas Water Code, Chapter 32
RQD (see note 1 below)	TCEQ Air Quality Permit or Registration

Notes: N/A = Not Applicable

REC = Received RQD = Required APP = Applied For

1. Standard Air Permit for MSW Transfer Stations (30 TAC § 330.981 et seq.).

# 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). To promote efficient traffic flow the building will be open on two sides. The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior panels on two sides, and a roof. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

# 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

## 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Based on the following list of acceptable wastes, there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility. Therefore, the parameter limitations, as required by §330.203(a), are not applicable to this facility.

The proposed transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - o Slaughterhouse wastes
  - o Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating

Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:

• Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

## 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year $\div$ 0.78 tons/person/year
	= 400,000 persons

#### 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ. Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

# 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter is being sent to NCTCOG summarizing the proposed permit application and transmitting a copy of Parts I and II of this application for review. A letter is also being sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence is included in Part I/II, Appendix I/II-A.1.

# 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

# 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

## 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

## 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in Acres)	Percentage of Total Area
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	126.9	5.4
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1397.5	59.8
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

#### 3.1.3 Population and Community Growth Trends

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

## Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

## 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

## Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

## <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner

and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### **Cemeteries**

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area proposed for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

### <u>Miscellaneous Uses</u>

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

## 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

## 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

# 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;
- documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west

of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). An existing driveway serves a business at the location of the proposed transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will be a 30-foot, two-lane, all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the proposed facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT and Hunt County, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

## 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Table I/II-3.3	: Existing and	<b>Future Tra</b>	ffic Volumes fo	or State Highway 24

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

## 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
	At Initial Waste Acceptance	At Max Waste Acceptance	
Vehicle Type	Rate (400 tons/day)	Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small	10	20	
vehicles			
Transfer Station Operators'	2	4	
Personal Vehicles			
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

Table	I/II-3.4:	Facility	Generated	Traffic
Lanc	1/11-5.4.	racinty	Generateu	11 anne

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. Based on the findings of this traffic study, there are no existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

### 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

## 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

#### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

# 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

#### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major

drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### <u>References:</u>

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

# 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

## 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

## 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the proposed permit area does not include any of the characteristics of a wetland and is not within a wetland.

A copy of IES's study report is included in Appendix I/II-B.

# 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

# 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

# **APPLICATION FORMS**

Applicant's Ex. 1, p. 000745

# PART I APPLICATION FORM

Applicant's Ex. 1, p. 000746

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 9/8/2021

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal			
🗌 Initial Submittal	$\boxtimes$ Notice of Deficiency (NOD) Response			
2. Authorization Type				
🛛 Permit	Registration			
3. Application Type				
New Permit Dermit Major Amendment Dermit Major Amendment (Limited Scope)				
New Registration				
4 Application Food				
Amount				
× \$2,050 for Permits and Permit Amendments 5 \$150 for Registrations				
Payment Method				
Check Online through ePay portal <a href="https://www3.tceq.texas.gov/epay/&gt;">https://www3.tceq.texas.gov/epay/&gt;</a>				
If paid online, enter ePay Trace Number: <b>582EA000443364</b>				
5. Application URL				
Is the application subm	nitted for a Type I Arid Exempt (AE) or Type IV AE facility?			
□ Yes				
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-transfe				

6. Application Publishing
Party Responsible for Publishing Notice:
Applicant Agent in Service Consultant
Contact Name: Ryan Kuntz, P.E. Title: Vice President
7. Alternative Language Notice
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)
8. Public Place Location of Application
Name of the Public Place: Commerce Public Library
Physical Address: 1210 Park Street
City: Commerce County: Hunt State: TX Zip Code: 75428
(Area code) Telephone Number: 903-886-6858
9. Consolidated Permit Processing
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?
🗌 Yes 🛛 No 🗌 Not Applicable
If "Yes", state the other TCEQ program authorizations requested:
10. Confidential Documents
Does the application contain confidential documents?
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."

11. Permits and Construction Approvals			
Permit or Approval	Received	Pending	Not Applicable
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$	
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$
Dredge or Fill Permits under the CWA			$\boxtimes$
Licenses under the Texas Radiation Control Act			$\boxtimes$
Other (describe)			

#### **12.** General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: **President** 

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)		
🗌 Туре I	🗌 Тур	e IV 🛛 Type V	
🗌 Туре I АЕ	🗌 Type IV AE	Type VI	
14. Activities Cor		Facility	
Storage	Processing	Disposal	
15. Facility Wast	e Management	t Unit(s)	
Landfill Unit(s)		Incinerator(s)	
Class 1 Landfill	Unit(s)	Autoclave(s)	
Process Tank(s	5)	Refrigeration Unit(s)	
Storage Tank(s	5)	Mobile Processing Unit(s)	
Tipping Floor		Type VI Demonstration Unit	
🗌 Storage Area		Compost Pile(s) and/or Vessel(s)	
Container(s)		Other (specify):	
□ Roll-off Boxes □ Ot		Other (specify):	
Surface Impou	ndment	Other (specify) <b>transfer station</b>	
16. Description o	of Proposed Fa	cility or Changes to Existing Facility	
Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an			
non-hazardous v	waste transfer	station	
17. Facility Conta	act Information	n	
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC	
Customer Referen	ce No. (if issued	I)*: CN <b>605924968</b>	
Contact Name: Jo	sh Bray	Title: President	
Mailing Address: F	P.O. 6427		
City: Paris Count	City: Paris County: Lamar State: TX Zip Code: 75461		
(Area Code) Telephone Number: 903) 517-6268			
Email Address: joshbray@suddenlinkmail.com			
TX Secretary of State (SOS) Filing Number: 802693685			
*If the Site Operator ( (TCEQ-10400) and sub	Permittee/Registran omit it with this appl	t) does not have this number, complete a TCEQ Core Data Form ication. List the Site Operator (Permittee/Registrant) as the Customer.	

	Operator Name <sup>1</sup> : Same as Site C	Operator /	Permittee		
	Customer Reference No. (if issued)	*:			
	Contact Name:	Contact Name: Title:			
	Mailing Address:				
	City: County: State	:e: Z	۲ code:		
	(Area Code) Telephone Number:				
	Email Address:				
	TX SOS Filing Number:				
	<sup>1</sup> If the Operator is the same as Site Operator/Permittee type "Same as "Site Operator (Permittee/Registrant)". *If the Operator does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Operator as the customer.				
	Consultant Name (if applicable)	): SCS Engi	1eers		
	Texas Board of Professional Engine	ers Firm Reg	jistration Number: <b>F-3407</b>		
	Contact Name: Ryan Kuntz		Title: Vice President		
	Mailing Address: 1901 Central Dr	rive, Suite 5	550		
	City: Bedford County: Tarrant S	State: <b>TX</b> Zi	p Code: <b>76021</b>		
	(Area Code) Telephone Number: (8	817) 571-22	288		
	E-Mail Address: rkuntz@scsengin	eers.com			
	Agent in Service Name (required only for out-of-state):				
	Mailing Address:	-	-		
	City: County: State	:e: Z	۲ code:		
	(Area Code) Telephone Number:				
	E-Mail Address:				
	18. Facility Supervisor's License	1			
	Select the Type of License that the Chapter 30, Occupational Licenses facility operations. Class A Class B	Solid Waste and Registra	Facility Supervisor, as defined in 30 TAC itions, will obtain prior to commencing		
_	10 Oursership Status of the Facility				
	19. Ownersnip Status of the Faci	iiity			

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: **3737 Lamar Ave.** 

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

TCEQ-0650, Part I Application (rev. 09-01-2019)

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Health Department

Contact Person's Name: Dr. Gina Rushing

Street Address or P.O. Box: 2701 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4140

E-Mail Address (optional):

#### State Representative Information

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A				
Contact Person's Name:				
Watershed Sub-Basin Name:				
Street Address or P.O. Box:				
City: County: State: Zip Code:				
(Area Code) Telephone Number:				
E-Mail Address (optional):				
Coastal Management Program Is the facility within the Coastal Management Program boundary?				
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK				
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.				
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?				
If "Yes", provide a copy of the ordinance or order as an attachment.				

#### **Signature Page**

I, <u>Josh Bray</u> , (Site Operator (Permittee/Registrant)'s Authorized Signatory)	<u>President,</u> (Title)
certify under penalty of law that this document and all attachments were my direction or supervision in accordance with a system designed to ass personnel properly gather and evaluate the information submitted. Bas the person or persons who manage the system, or those persons directl gathering the information, the information submitted is, to the best of n belief, true, accurate, and complete. I am aware there are significant pe submitting false information, including the possibility of fine and impriso	e prepared under sure that qualified ed on my inquiry of ly responsible for ny knowledge and enalties for onment for knowing
Signature:	Date: <u>9-8-2  </u>
·····//	
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED REPRESENTATIVE FOR THE OPERATOR	BY AN AUTHORIZED
I,, hereby designate	iuo Nama)
(Print or Type Operator Name) (Print or Type Representat	ive name)
as my representative and hereby authorize said representative to sign a submit additional information as may be requested by the Commission; me at any hearing or before the Texas Commission on Environmental Qu with this request for a Texas Water Code or Texas Solid Waste Disposal further understand that I am responsible for the contents of this applica statements given by my authorized representative in support of the app compliance with the terms and conditions of any permit which might be this application.	and/or appear for uality in conjunction Act permit. I tion, for oral lication, and for issued based upon
Printed or Typed Name of Operator or Principal Executive Officer	
Signature	
SUBSCRIBED AND SWORN to before me by the said <u>CSN Dr an</u>	
Un this o day of sept, ov 21	
Hy commission expires on the <u>arrive</u> day of <u>June</u> , <u>soas</u>	
A market of the second	
(Note: Application Must Bear Signature & Seal of Notary Public)	



Form - Page 9 of 10

# **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those appl	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🛛 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate
Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

-Transaction Information								
Transaction Information								
Trace Number:	582EA000443364							
Date:	08/13/2021 11:42 AM							
Payment Method:	CC - Authorization 0000035943							
ePay Actor:	KRYSTAL KUNTZ							
Actor Email:	kkuntz@scsengineers.com							
IP:	99.103.207.251							
TCEQ Amount:	\$2,050.00							
Texas.gov Price:	\$2,096.38*							
* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.								
-Payment Contact Information	Payment Contact Information							

Name: ANDREW ARD
Company: SCS ENGINEERS
Address: 1901 CENTRAL DRIVE SUITE 550, BEDFORD, TX 76021
Phone: 817-571-2288

#### Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
523356	NONHAZARDOUS WASTE PERMIT - NEW & AMENDMENTS (INCLUDING LIMITED SCOPE)		\$2,000.00
523357	30 TAC 305.53B WASTE NOTIFICATION FEE	TCEQ Amount:	\$50.00 \$2,050.00

ePay Again Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Site Help | Disclaimer | Web Policies | Accessibility | Our Compact with Texans | TCEQ Homeland Security | Contact Us Statewide Links: Texas.gov | Texas Homeland Security | TRAIL Statewide Archive | Texas Veterans Portal

© 2002-2021 Texas Commission on Environmental Quality

## TCEQ CORE DATA FORM



# **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

## **SECTION I: General Information**

SECTION	I. Genera	1 111101 11	lation									
1. Reason fo	r Submission	( <i>If other is c</i>	hecked pleas	e desci	ribe in :	space <sub>i</sub>	orovide	ed.)	with the	nrogram applicatio		
	IIIII, REGISITALIO	n of Authon		vith tho	ronow	val form					11.)	
2. Customer	Reference Nu	mber <i>(if iss</i>	ued)				y orob	3. Re	aulate	d Entity Reference	e Number (	if issued)
CN				for CN	<u>v triis iii</u> <u>V or RN</u> entral R	numbe egistry*	<u>arcn</u> rs in *	RN	RN			
SECTION	II: Custor	ner Info	rmation				L					
4. General Cu	ustomer Inforn	nation	5. Effective	e Date f	for Cus	stomer	<sup>-</sup> Infor	matio	n Upda	tes (mm/dd/yyyy)		
New Customer Update to Customer Information Change in Regulated Entity Ownership												
The Custor Texas Sect	The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).											
6. Customer	6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <u>If new Customer, enter previous Customer below:</u>											
Transfer S	Transfer Stations Solutions, LLC											
7. TX SOS/CF	PA Filing Numl	ber	8. TX State	Tax ID	<b>)</b> (11 digi	ts)		9	. Feder	al Tax ID (9 digits)	10. DUN	S Number (if applicable)
802693685	5		3206341	3036			8	82-1135543 N/A				
11. Type of C	ustomer:	Corporati	on	🛛 Individual				Partnership: 🔄 General 🗖 Limited				
Government:	City 🗌 County	r 🗌 Federal 🗌	State 🗌 Othe	r		Sole Proprietorship Other:			Other:			
<b>12. Number o</b> ⊠ 0-20	of Employees	101-250	251-500		501 ar	nd high	er	13. Independently Owned and Operated?         ⊠ Yes       □ No				
14. Customer	r <b>Role</b> (Propose	d or Actual) –	as it relates to	the Re	gulated	Entity l	isted or	n this fa	orm. Plea	ase check one of the	following	
Owner	nal Licensee	⊠ Operat ⊠ Respo	or nsible Party		0 V	wner & oluntar	opera y Clea	ator nup A	pplicant	Other:		
	Transfer S	tation So	lutions, L	LC								
15. Mailing Address:	P O Box 6	427										
	City Par	ris		S	State	TX		ZIP	754	61	ZIP + 4	
16. Country M	Mailing Information	ation (if outsid	de USA)	•			17. E	-Mail	Addres	S (if applicable)		·
							josł	shbray@suddenlinkmail.com				
18. Telephon	e Number			19. E	xtensi	on or (	Code	20. Fax Number (if applicable)				ble)
( 903 ) 57	1-6268									( ) -		

## **SECTION III: Regulated Entity Information**

 21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)

 New Regulated Entity
 Update to Regulated Entity Name

 Update to Regulated Entity
 Update to Regulated Entity Name

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station

23. Street Address of	3491 H	WY 24		_	_					
(No PO Boxes)	City	Campbell	State	TX	ZIP	75422	ZIP +	4		
24. County	Hunt									
	E	Enter Physical Lo	cation Descrip	tion if no s	treet addre	ss is provided.				
25. Description to Physical Location:	0.4 mile	e north of Cou	inty Road 43	317 on S	tate High	way 24				
26. Nearest City	1.0					State		Nearest ZIP Code		
Campbell						TX		75422		
27. Latitude (N) In Deci	mal:	33.196833°	1.00	28.	Longitude	(W) In Decimal:	95.923	3194°		
Degrees	Minutes	S	econds	nds Degrees Mi				Seconds		
33	11.7	11	48.6		95			23.5		
29. Primary SIC Code (4	t digits) 30	. Secondary SIC	Code (4 digits)	31. Prim (5 or 6 dig	ary NAICS	Code 32. (5 or	Secondary 6 digits)	NAICS Code		
5093	42	212		56211	1					
33. What is the Primary	Business (	of this entity? (	Do not repeat the SI	C or NAICS de	escription.)					
solid waste collect	ion and tr	ansportation	-				_			
	P O Box 6427									
34. Mailing	1									
Address:	City	Paris	State	ТХ	ZIP	75461	ZIP	+4		
35. E-Mail Address	3:			joshbray	@suddenl	inkmail.com				
36. Teleph	ione Numbe	ər	37. Extens	ion or Cod	e	38. Fax N	umber (if a	pplicable)		
(903)	517-6268					(	) •			
). TCEQ Programs and I rm. See the Core Data Form	D Numbers	Check all Programs or additional guidance	and write in the p	ermits/regist	ration numbe	rs that will be affecte	d by the upd	ates submitted on this		
Dam Safety	Distric	ots	Edwards Ac	quifer	Emis	sions Inventory Air	🗌 Indu	strial Hazardous Was		
Municipal Solid Waste	New S	Source Review Air	OSSF		Petro	leum Storage Tank	D PWS	3		
Cluder	N Storm	Water	Title V Air	_	Tires		Use	d Oil		

## **SECTION IV: Preparer Information**

Waste Water

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President	
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address	11
(817)358-6105	(817)571-2188	kyard@	scsengineers.com	

Wastewater Agriculture

U Water Rights

### **SECTION V:** Authorized Signature

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Transfer Station Solutions, LLC	Job Title:	President				
Name (In Print):	Josh Bray		Phone:	( 903 ) 517-6268			
Signature:	an		Date:	8/12/21			

Voluntary Cleanup

Other:



# **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

## **SECTION I: General Information**

SECTION	1. Gen		1411011									
1. Reason fo	r Submis	sion ( <i>If other is c</i>	hecked pleas	e desci	ribe in .	space	provide	ed.)				
New Per	mit, Regis	stration or Authori		Data Fo	orm sh	ould be	e subm.	ntted v	with the	program applicatio	n.)	
	(Core Da	ta Form should b	e submitted v	vith the	renew	al form	V		Other			
2. Customer	Referenc	e Number <i>(if iss</i>	ued)	Follov	<u>w this lir</u>	<u>nk to se</u>	arch _	3. Re	egulated	Entity Reference	e Number (A	if issued)
CN				<u>for CN</u> <u>C</u> €	<u>N or RN</u> entral R	numbe egistry*	<u>rs in</u> *	RN	J			
SECTION	II: Cu	stomer Info	ormation									
4. General Cu	ustomer l	nformation	5. Effective	e Date f	for Cu	stomer	<sup>-</sup> Inform	matio	n Updat	es (mm/dd/yyyy)		
New Custo	New Customer Update to Customer Information Change in Regulated Entity Ownership											
The Custor	mer Nar	ne submitted	here may	be up	dated	auto	matic		based	on what is cu	rrent and	active with the
Texas Seci	retary o	f State (SOS)	or Texas C	Compt	troller	r of Pl	ublic	Асси	ounts (	(CPA).		
6. Customer	6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <u>If new Customer, enter previous Customer below:</u>											
Lamar Par	Lamar Partners, LLC											
7. TX SOS/CF	PA Filing	Number	8. TX State	Tax ID	Tax ID (11 digits)			ç	9. Federal Tax ID (9 digits) 10. DUN			S Number (if applicable)
11. Type of C	ustomer:	Corporati	on			Individ	ual		Pa	rtnership: 🗖 Gener	al 🛛 Limited	
Government:	City 🗌	County 🔲 Federal 🗌	] State 🗌 Othe	r		Sole P	ropriet	etorship 🗌 Other:				
<b>12. Number o</b>	of Employ ] 21-100	ees	251-500		501 ar	nd high	er	1	13. Inde	pendently Owned	and Opera	ted?
14. Customer	r Role (Pro	oposed or Actual) -	as it relates to	the Re	gulated	Entity l	isted or	n this fo	orm. Plea	se check one of the	following	
Owner		Operat	or		0 🗌	wner &	Opera	ator				
	nal Licens	ee 🗌 Respo	nsible Party			oluntar	y Cleai	nup A	pplicant	⊠Other: pr	operty own	er
	3737 I	Lamar Avenu	e									
15. Mailing Address:	Suite 7	700										
	City	Paris		S	State	TX		ZIP	754	60	ZIP + 4	
16. Country N	Mailing In	formation (if outsi	de USA)				17. E	-Mail	Addres	S (if applicable)		
3							brac	l.dra	ke@la	marteam.com	1	
18. Telephon	e Numbe	r		19. E	xtensi	on or (	Code	e 20. Fax Number (if applicable)				ble)
(903)51	7-9006									(903)784	-4768	

## **SECTION III: Regulated Entity Information**

**21. General Regulated Entity Information** (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*) ⊠ New Regulated Entity □ Update to Regulated Entity Name □ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station (owned by Transfer Stations Solutions, LLC)

23. Street Address of	3491 H	HWY 24					_	
the Regulated Entity: (No PO Boxes)	City	Campbell	State	TX	ZIP	75422	ZIP +	4
24. County								
		Enter Physical Loc	ation Descript	tion if no s	treet addre	ess is provided.		
25. Description to Physical Location:	0.4 mi	le north of Cou	nty Road 43	317 on St	tate High	nway 24		
26. Nearest City						State	1	Nearest ZIP Code
Campbell					TX 7542			75422
27. Latitude (N) In Deci	mal:			28.	Longitude	(W) In Decimal:		
	Minutes	Se	conds	Degr	rees	Minutes	-1	Seconds
Degrees	Thintatoo							
Degrees 33	minuted	11	48.6		95		55	2
Degrees 33 29. Primary SIC Code (4	digits) 30	11 ). Secondary SIC C	48.6 ode (4 digits)	31. Prim (5 or 6 dig	95 ary NAICS	Code 32. (5 or	55 Secondary 6 digits)	2 NAICS Code

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

solid waste collection and transportation

			Tr	ansfer Stat	ion Solution	s, LLC				
Address:		P O Box 6427								
	City	Paris	State	тх	ZIP	75461	ZIP + 4			
35. E-Mail Addres	s:			joshbray@	suddenlink	mail.com				
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable				
(903)	517-6268					(	) -			

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
Municipal Solid Waste	New Source Review Air	OSSF	Petroleum Storage Tank	PWS
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	Waste Water	Wastewater Agriculture	Water Rights	Other:

## **SECTION IV: Preparer Information**

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President	
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address	
(817)358-6105	(817) 571-2188	kyard@	scsengineers.com	

### **SECTION V:** Authorized Signature

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Lamar Partners, LLC	Job Title:				
Name (In Print):	Brad Drake	Phone:	(90)	\$51	7-9006	
Signature:	Yall		Date:	21	22/	21

## DOCUMENTATION

### **LEGAL DESCRIPTION**

As noted in Section 1.2, the transfer station property is comprised of 5.9 acres, which is situated on a larger 52.38 acre property that encompasses the Highway 24 Transfer Station. As such, consistent with 30 TAC §330.59(d), the following legal descriptions include surveyed descriptions of both the 52.38-acre property as well as the 5.9-acre parcel to be permitted for the transfer station. As noted in the drawings, the 5.9-acre parcel is totally encompassed by the 52.38-acre property.

scs engineers August 2021 Transfer Station Solutions, LLC Hunt County, Texas

### EXHIBIT "A"

#### BOUNDARY SURVEY

BEING A BOUNDARY SURVEY DESCRIPTION FOR A 52.38 TRACT OF LAND LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, DESCRIBED AS A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID BOUNDARY SURVEY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for the southwest corner of said 52.38 acre tract, same being the southeast corner of a called 1.247 acre tract recorded in Instrument No. 2009-13858 of the R.R.H.C.TX. described as Tract Two and in the north line of a called 5.0557 acre tract recorded in Document No. 2018-01935 of the Records of Hunt County, Texas (R.H.C.TX.), from which a 1/2-inch iron rod found in the south line of said 1.247 acre tract at the northwest corner of said 5.0057 acre tract tract bears, South 86°34'11" West, a distance of 37.90 feet, said **POINT OF BEGINNING** having grid coordinates of N=7126500.39, E=2756862.87.

**THENCE,** North 02°10'04" East, along the common line of said 52.38 acre tract and said 1.247 acre tract, a distance of 165.53 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said 52.38 acre tract, same being the northeast corner of said 1.247 acre tract and in a south line of a called 10.0037 acre tract recorded in Volume 1701, Page 223 of the Official Public Records of Hunt County, Texas (O.P.R.H.C.TX.);

**THENCE,** South 85°35'48" East, leaving said common line, along said south line, a distance of 52.50 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the southeast corner of said 10.0037 acre tract;

**THENCE,** North 04°30'05" East, along the east line of said 10.0037 acre tract, a distance of 786.57 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the northeast corner of said 10.0037 acre tract;

**THENCE**, North 81°26'44" West, leaving said east line, along the north line of said 10.0037 acre tract, a distance of 414.97 feet to a 1/2-inch iron rod found for the most westerly southwest corner of said 52.38 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way) from which a concrete monument found in said east right-of-way line bears, South 10°01'12" West, a distance of 140.12 feet;

**THENCE**, North 09°24'44" East, leaving said north line, along said east right-of-way line and the most westerly west line of said 52.38 acre tract, a distance of 535.06 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 723.44 feet, along said curve to the right having a radius of 2740.45, a central angle of 015°07'31", with a chord bearing, North 17°03'11" East, and a chord length of 721.35 feet to a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 52.38 acre tract, same being the southwest corner of Lot 7 of the Final Plat of The Meadows at Oak Creek, a called 5.161 acre tract, recorded in Cabinet F, Slide 323 of the Plat Records of Hunt County, Texas (P.R.H.C.TX.);

**THENCE,** North 89°23'29" East, along the common line of said Lot 7 and said 52.38 acre tract, a distance of 556.10 feet to a 1/2-inch iron rod with cap stamped "OWENS RPLS 5387" found in the west line of Lot 5 of the Final Plat of The Meadows at Oak Creek, a called 3.199 acre tract at the southeast corner of said Lot 7, same being the most northerly northeast corner of said 52.38 acre tract;

**THENCE,** South 00°53'41" West, leaving the common line of said Lot 7 and said 52.38 acre tract, along the west line of said Lot 5 and an east line of said 52.38 acre tract, a distance of 123.80 feet to a 1/2-inch iron rod found in said east line at the southwest corner of said Lot 5, same being the northwest corner of a called 10.137 acre tract recorded in Instrument No. 2009-13856 of the R.R.H.C.TX.;

**THENCE**, South 00°55'03" East, leaving said west line of Lot 5, along the west line of said 10.137 acre tract and said east line, a distance of 514.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for an interior el corner of said 52.38 acre tract, same being the southwest corner of said 10.137 acre tract;

**THENCE,** North 89°32'53" East, leaving the west line of said 10.137 acre tract, along the south line of said 10.137 acre tract a distance of 578.64 feet to a 60D nail found in the south line of said 10.137 acre tract at the most easterly northeast corner of said 52.38 acre tract, same being the most westerly northwest corner of a called 54.49 acre tract described in Document No. 2018-01470 of the R.H.C.TX.;

Transfer Station Solutions, LLC Hunt County, Texas

**THENCE,** South 00°42'22" West, leaving the south line of said 10.137 acre tract, along the common line of said 54.49 acre tract and said 52.38 acre tract, a distance of 1317.32 feet to a 1/2-inch iron rod found in said common line at the southwest corner of said 54.49 acre tract, same being the northwest corner of a called 50.1426 acre tract recorded in Volume 666, Page 349 of the Deed Records of Hunt County, Texas, (D.R.H.C.TX.);

**THENCE**, South 01°55'22" West, leaving the common line of said 54.49 acre tract and said 52.38 acre tract, along the common line of said 50.1426 acre tract and said 52.38 acre tract, a distance of 211.59 feet to a 1/2-inch iron rod found at the southeast corner of said 52.38 acre tract, same being the northeast corner of a called 3.41 acre tract recorded in Document No. 2018-10945 of the R.H.C.TX.;

**THENCE,** South 86°33'09" West, leaving the common line of said 50.1426 acre tract and said 52.38 acre tract, along the common line of said 3.41 acre tract and said 52.38 acre tract, a distance of 668.59 feet to a 1/2-inch iron rod with cap stamped "SAM" set in said common line at the northwest corner of said 3.41 acre tract, same being the northeast corner of said 5.0557 acre tract;

**THENCE,** South 86°34'11" West, leaving the common line of said 3.41 acre tract and said 52.38 acre tract, along the common line of said 5.0557 acre tract and said 52.38 acre tract, a distance of 461.03 feet to the **POINT OF BEGINNING**, containing 52.38 acres (2,281,514 square feet) of land, more or less.

#### This description being 52.38 acres (2,281,514 square feet) of land more or less.

Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- 2) A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.

TE OF tas GISTERED A. CLARK CODY 6469 Surveying And Mapping, LL AND 1341 W. Mockingbird Lane, SURV Suite 400W, Dallas, Texas 75247

Cody A. Clark Date Registered Professional Land Surveyor No. 6469 – State of Texas



### EXHIBIT "B"

#### LAMAR PROPERTIES, LLC

#### BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION

BEING A BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, BEING WITHIN A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID STATION BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in a west line of said 52.311 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way), from which a 1/2-inch iron rod found in said east right-of-way line at the most westerly southwest corner of said 52.311 acre tract bears, South 09°29'44" West, a distance of 462.54 feet, said **POINT OF BEGINNING** having grid coordinates of N=7127963.84, E=2756649.28.

**THENCE**, North 09°29'44" East, a distance of 72.52 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 28.89 feet, along said curve to the right having a radius of 2740.45, a central angle of 0°36'15", with a chord bearing, North 09°47'33" East, and a chord length of 28.89 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in said common line, from which a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 53.211 acre tract bears, northeasterly a distance of 694.55 feet, along a curve to the right having a radius of 2740.45, a central angle of 014°31'17", with a chord bearing, North 17°21'18" East, and a chord length of 692.69 feet;

THENCE, over and across said 52.311 acre tract, the following seven (7) courses and distances:

- 1) North 90°00'00" East, leaving said common line, a distance of 463.13 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **2)** South 00°00'00" East, a distance of 18.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **3)** North 90°00'00" East, a distance of 325.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **4) South 00°00'00" East**, a distance of 670.77 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 5) North 81°26'44" West, a distance of 328.66 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 6) North 00°00'00" East, passing a 1/2-inch iron rod with cap stamped "SAM" set at a distance of 60.68 feet, continuing for a total distance of 539.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 7) North 90°00'00" West, a distance of 480.01 feet to the POINT OF BEGINNING, containing 5.90 acres (257,219 square feet) of land, more or less.

#### This description being 5.90 acres (257,219 square feet) of land more or less.

### Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- 2) A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.



I/II-D6



## LEGAL AUTHORITY

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

## Office of the Secretary of State

## CERTIFICATE OF FILING OF

Transfer Station Solutions, LLC 802693685

[formerly: Blossom Prairie Landfill, LLC]

The undersigned, as Deputy Secretary of State of Texas, hereby certifies that a Certificate of Amendment for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Deputy Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

Dated: 06/10/2019

Effective: 06/10/2019



Jose A. Esparza Deputy Secretary of State

I/II-D9 Come visit us on the internet at http://www.sos.state.tx.us/ August 2021

#### Form 424

Secretary of State P.O. Box 13697 Austin, TX 78711-3697 FAX: 512/463-5709

Filing Fee: See instructions



Certificate of Amendment Filed in the Office of the Secretary of State of Texas Filing #: 802693685 06/10/2019 Document #: 894742690007 Image Generated Electronically for Web Filing

Entity Information

The filing entity is a: Domestic Limited Liability Company (LLC)

The name of the filing entity is: Blossom Prairie Landfill, LLC

The file number issued to the filing entity by the secretary of state is: 802693685

#### Amendment to Name

The amendment changes the formation document of the filing entity to change the article or provision that names the entity. The article or provision is amended to read as follows:

The name of the filing entity is:

Transfer Station Solutions, LLC

A letter of consent, if applicable, is attached.

#### Statement of Approval

The amendment has been approved in the manner required by the Texas Business Organizations Code and by the governing documents of the entity.

#### Effectiveness of Filing

A. This document becomes effective when the document is filed by the secretary of state.

B. This document becomes effective at a later date, which is not more than ninety (90) days from the date of its filing by the secretary of state. The delayed effective date is:

#### Execution

The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument and declares under penalty of perjury that the undersigned is authorized under the Texas Business Organizations Code to execute the filing instrument.

Date: June 10, 2019

#### Josh Bray

Signature of authorized person

FILING OFFICE COPY

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

## Office of the Secretary of State

June 12, 2019

Attn: Pete Benenati

Benenati Law Firm, PC Pete Benenati, 2816 Bedford Road Bedford, TX 76021 USA

----

RE: Transfer Station Solutions, LLC File Number: 802693685

It has been our pleasure to file the Certificate of Amendment for the referenced entity. Enclosed is the certificate evidencing filing. Payment of the filing fee is acknowledged by this letter.

If we may be of further service at any time, please let us know.

Sincerely,

Corporations Section Business & Public Filings Division (512) 463-5555

Enclosure

**Revision 0** 

## EVIDENCE OF COMPETANCY

## Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	TCEQ Permit or Registration No.
Fannin Transfer Station	40290
Canton Transfer Station	40266
Pittsburg Transfer Station	40174
Blossom Prairie Type I Landfill	2358

Be it known that

## JOSH A BRAY

has fulfilled the requirements in accordance with the laws of the State of Texas for

## CLASS A MSW OPERATOR

License Number: **SW0006650** Issue Date: **09/21/2020** Expiration Date: **09/29/2023** 

Executive Director Texas Commission on Environmental Quality

Revision 0

Applicant's Ex. 1, p. 000776

August 2021

\@(@\@(@\@(@\@(@\@(@\@

## APPPOINTMENT

# TRANSFER STATION SOLUTIONS, LLC

P. O. Box 6247 Paris, Texas 75461 903-517-268

#### NOTICE OF APPOINTMENT Engineers Appointment

Mr. Toby Baker Executive Director Texas Commission on Environmental Quality P.O. Box 13087 Austin, Texas 78711-3087

Dear Mr. Baker:

This is to advise you that Transfer Stations Solutions, LLC. (TSS) has duly appointed SCS Engineers as consulting and design engineers for the purpose of submitting engineering reports and planning material for a Permit Application for the Highway 24 Transfer Station in Hunt County, Texas. SCS Engineers is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has extensive experience in the design and construction of similar facilities. Mr. Ryan R. Kuntz, P.E. Vice President with SCS Engineers, is the engineer of record for this application.

We herewith authorize you to review and comment on such reports, planning material, and data on this project as SCS Engineers may submit to you.

Sincerely, Transfer Station Solutions, LLC

Josh Bray President

### PROPERTY OWNER AFFIDAVIT

#### PROPERTY OWNER AFFIDAVIT

Lamar Partners, LLC, the owner of record of the properties described in the Legal Description Section of this Parts I/II (see "Boundary Metes and Bounds Description for a Tract of Land for a Proposed Transfer Station" for the 5.9-acre parcel), acknowledges and is aware that Transfer Stations Solutions, LLC plans to file for a permit to operate a solid waste transfer station upon said property.

Lamar Partners, LLC acknowledges that the State of Texas may hold Lamar Partners, LLC either jointly or severally responsible for the operation, maintenance, and closure of the facility.

Lamar Partners, LLC acknowledges the site operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance.

WITNESS MY HAND on this day, June 22, 2021.

Lamar Partners, LLC 3737 Lamar Avenue, Suite 700 Paris, Texas75460

By: Brad Drake, Managing Partner Lamar Partners, LLC

45el V

Signature

SWORN TO AND SUBSCRIBED BEFORE ME by the said Brad Drake this 22 day of , 2021, to certify which witness my hand and seal of office.

Notary Public in and for  $\frac{1}{6}$  County, Texas My commission expires on  $\frac{1}{6}$  -  $\frac{24}{2}$  -  $\frac{3}{2}$ 

Printed Name Jeri Golden



## **FIGURES**





Applicant's Ex. 1, p. 000783



G:\HUNT COUNTY TS\16219083.00 - Permit - MSW Recycling Facility\\_DWG\3 - AERIAL PHOTO igckson. iermon









Applicant's Ex. 1, p. 000786

FOR PERMITTING PURPOSES ONLY





FOR PERMITTING PURPOSES ONLY

8/12/2021

#### Applicant's Ex. 1, p. 000787

FIGURE NO.

I/II-6





Applicant's Ex. 1, p. 000789



## **APPENDIX I/II-A**

## PERMIT RELATED CORRESPONDENCE

## **APPENDIX I/II-A.1**

## NCTCOG CORRESPODENCE
# SCS ENGINEERS

August 12, 2021

SCS Project Number 16219083.00

Ms. Cassidy Campbell, Senior Planner/SW Planning & Grants Environment and Development Planner North Central Texas Council of Governments 616 Six Flags Drive Arlington, Texas 76011

Re: Regional Solid Waste Conformance Review Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Ms. Campbell:

As discussed, SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Route 24 (SR 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are approximately 33° 11' 48.6" latitude and 95° 55' 23.5" W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

As you know, TCEQ regulation Title 30 Texas Administration Code (TAC) §330.61(p) requires evidence of coordination with the regional council of government (North Central Texas Council of Governments [NCTCOG]). The purpose of this letter is to inform the NCTCOG of this proposed transfer station, and to demonstrate that this facility complies with the regional solid waste plan. As a part of this coordination with the NCTCOG, TSS is requesting a regional conformance review for the above referenced facility. The following contact information is related to the transfer station permit application:

a. Applicant's Representative:

Josh Bray, President Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas75461 Phone No. 903.517.6268 joshbray@suddenlinkmail.com Ms. Cassidy Campbell August 12, 2021 Page 2

b. Applicant's Engineer

Ryan R. Kuntz, P.E., Vice President SCS Engineers 1901 Central Drive, Suite 550 Bedford, Texas 76021 (817) 358-6105 kyard@scsengineers.com

c. TCEQ staff person regarding review correspondence

Mr. Chance Goodin, Manager MSW Permits Section, Waste Permits Division Texas Commission on Environmental Quality

12100 Park 35 Circle Austin, Texas 78753 (512) 239 -6616 <u>chance.goodin@tceq.texas.gov</u>

Attachments to this letter are listed at the end of this letter.

Based on our review of the NCTCOG's Regional Solid Waste Management Plan (Plan), as updated in the "Planning for Sustainable Materials Management in North Central Texas", we find the information provided in the attached evaluation form substantiates conformance with this Plan. The following summarizes how the proposed material recovery facility complies with the overall goals and objectives of the solid waste management plan:

- Encouraging the establishment and expansion of transfer stations in rural or underserved areas.
- This proposed facility will aid in reducing incidents of illegal dumping. In conjunction with hauling operations using this facility, this transfer station will assist in meeting the solid waste disposal needs of surrounding communities in Hunt County. This transfer station will provide an additional means to expand solid waste management opportunities.
- Assuring Capacity for Trash: By enabling transport of a significant amount of the materials delivered to the transfer station to a variety of landfills, this transfer station will preserve landfill capacity within the NCTCOG region. This transfer station will provide a means for efficient transportation of solid waste to a greater number of landfills, thereby enhancing the flexibility for this area of Hunt County. Additionally, this transfer station will serve unincorporated areas and surrounding communities in Hunt County. Therefore, this proposed facility will contribute to maintain long-term solid waste capacity for the area.

In view of the above, it is our opinion TSS's transfer station complies with the regional solid waste management plan. On the behalf of TSS, we would appreciate your expediting the review to confirm conformance with the regional solid waste plan. If you have any questions or need additional information, please contact us at (817) 571-2288 or e-mail at <u>rkuntz@scsengineers.com</u> or <u>aard@scsengineers.com</u>.

Ms. Cassidy Campbell August 12, 2021 Page 3

Sincerely,

8

Ryan R. Kuntz, P.E. Vice President SCS Engineers TBPE Registration No. F-3407

al

Andrew Ard, EIT Project Professional SCS Engineers

Att.: Parts I/II of the Permit Application for the Highway 24 Transfer Station in Hunt County

cc: Mr. Josh Bray, President, Transfer Station Solutions Mr. Kevin D. Yard, P.E., BCEE, SCS Engineers

## **APPENDIX I/II-A.2**

## ARCHAELOGICAL/HISTORICAL QUALITY REVIEW CORRESPONDENCE

## **Russ Brownlow**

From:	noreply@thc.state.tx.us
Sent:	Monday, April 26, 2021 1:25 PM
То:	Russ Brownlow; reviews@thc.state.tx.us; yvonna.miramontes@tceq.texas.gov
Subject:	Section 106 Submission

#### [EXTERNAL EMAIL]



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas THC Tracking #202107769 Date: 04/26/2021

5.4-acre Hunt County Transfer Station Project 2.8 miles southwest of Commerce Commerce,TX

**Description:** 5.9-acre waste transfer station. Shallow upland soils in disturbed area. Low prob for NRHP/SAL-elig sites. Recommending no survey warranted.

#### Dear Russ Brownlow:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act.

The review staff, led by Maggie Moore, Caitlin Brashear, has completed its review and has made the following determinations based on the information submitted for review:

#### **Above-Ground Resources**

• No historic properties are present or affected by the project as proposed. However, if historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.

### **Archeology Comments**

- No identified historic properties, archeological sites, or other cultural resources are present or affected. However, if cultural materials are encountered during project activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.
- THC/SHPO concurs with information provided.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: Maggie.Moore@thc.texas.gov, caitlin.brashear@thc.texas.gov.

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit <u>http://thc.texas.gov/etrac-system</u>.

Sincerely,

ithin Brashear

for Mark Wolfe, State Historic Preservation Officer Executive Director, Texas Historical Commission

Please do not respond to this email.

cc: yvonna.miramontes@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email



Environmental Services, Inc.

April 6, 2021

Mr. Mark Wolfe **Texas Historical Commission** P.O. Box 12276 Austin, Texas 78711-2276

> RE: **Initial SHPO Consultation Letter Transfer Station Solutions, LLC Proposed 5.4-acre Hunt County Transfer Station Project** Hunt County, Texas Antiquities Code of Texas (TCEQ) HJN 21019 AR

Mr. Wolfe:

Transfer Station Solutions, LLC (TSS) is proposing to construct the Hunt County Transfer Station Project on a 5.9-acre parcel in eastern Hunt County, Texas (Project Area). The Project Area is privately-owned, and its development will be privately funded and will not require any federal permitting or coordination. However, being a municipal waste transfer station, the undertaking must comply with 30 TAC §330.61(o) of the rules of the Texas Commission on Environmental Quality (TCEQ). The TCEQ requires compliance with the regulations of the Antiquities Code of Texas (ACT) for its permitted projects, even if they are located on privately-On behalf of TSS, SCS Engineers (SCS) has contracted with Horizon owned land. Environmental Services, Inc. (Horizon) to prepare this initial consultation with your office regarding the proposed undertaking in compliance with the ACT.

## **PROJECT DESCRIPTION**

The undertaking consists of a municipal solid waste transfer station that will be permitted by the TCEQ, then constructed on a 5.9-acre parcel located approximately 2.8 miles (4.5 kilometers [km]) southwest of Commerce in eastern Hunt County. It can be found on the US Geologic Service (USGS) 7.5-minute Commerce South, Texas topographic quadrangle map. More specifically, the undertaking consists of: 1) a proposed access road off of State Highway (SH) 24 that measures approximately 525.0 feet (160.0 meters [m]) long by 100.0 feet (30.5 m) wide with an area of 1.2 acres; and 2) an approximately 4.7-acre parcel that will contain the proposed waste transfer station. The Project Area is bordered to the north, south, and west by an active borrow pit that the current private landowner is using to extract sand for retail sale. In addition, roughly the southeastern quarter to eastern half of the 4.7-acre parcel was also historically utilized as a gravel/borrow pit. Maps of the Project Area are enclosed for your review.

### **CORPORATE HEADQUARTERS**

1507 S Interstate 35 \* Austin, TX 78741-2502 \* (512) 328-2430 \* www.horizon-esi.com An LJA Company

I/II-A.2-4



## DATABASE REVIEW

Background research conducted via the Texas Historical Commission's (THC's) *Texas Archeological Sites Atlas* (TASA) online database indicated the presence of no previously recorded archeological sites or cemeteries within a 0.6-mile (1.0-km) perimeter of the Project Area (THC 2021). Similarly, a review of the National Park Service's (NPS) National Register of Historic Places (NRHP) Google Earth map layer indicated the presence of no historic properties listed on the NRHP within the review perimeter (NPS 2020). No documented cultural resources, including any listed on the NRHP or formally designated as State Archeological Landmarks (SALs), are located within or immediately adjacent to the Project Area. Based on the Atlas database, no prior cultural resources surveys have been undertaken within the limits of the current Project Area.

The closest documented cultural resource to the Project Area is a prehistoric encampment with associated human interments. This site, 41HU22, is located approximately 0.8 mile (1.3 km) northwest of the Project Area on a terrace adjacent to the South Sulphur River.

### MAP REVIEW

A review of historic aerial imagery indicted that the Project Area consisted of cleared pastureland since as early as 1956 (NETR 2021). By 1964, the aerial imagery depicts a large gravel pit along the eastern half of the transfer station parcel (NETR 2021). Subsequent aerial imagery dating between 1983 and 2016 show the gravel pit area as reclaimed pastureland (NETR 2021). No structures are present within or immediately adjacent to the Project Area on the aerial imagery at any time between 1956 and the present.

An examination of historic US Geologic Service (USGS) 7.5-minute topographic quadrangle maps indicated the presence of the aforementioned gravel pit, primarily within the southeastern quadrant of the Project Area, on the 1964 and 1968 topographic quadrangles (USGS 1964; NETR 2021). After this date, the gravel pit is no longer present, and the area consists of cleared pastureland (NETR 2021). Again, no structures are present in the vicinity of the current Project Area on topographic quadrangles dating between 1964 and the present.

## SOILS

Only one soil type is mapped within the Project Area. Axtell loam, 1 to 5% slopes (1) is a fine loamy soil found on ridgetops and side slopes above drainageways (NRCS 1939). A typical pedon consists of an A-horizon of fine sandy loam measuring up to 3.1 inches (8.0 centimeters [cm]) thick. This is underlain by clay loam and clay deposits down to depths of 80.0 inches (203.2 cm). As the Project Area is located on an upland that has been cleared in the past and used, in part, as a gravel pit, any cultural deposits within the thin, upper A-horizon, if present, would likely have been disturbed by clearing, root-plowing plowing, and gravel mining activities.



## PROBABILITY ASSESSMENT

Prehistoric archeological sites are commonly found in upland areas and on alluvial terraces near stream/river channels or drainages. Based on the location of the Project Area on an upland dissected by a drainage linked to the South Sulphur River, it is Horizon's opinion that there would normally exist at least a moderate potential for prehistoric cultural deposits within the Project Area. However, based on the shallow nature of the upland soils, coupled with the historic clearing of the area and its partial use as a gravel pit, it is Horizon's further opinion that there now exists a low potential for any intact and stratified prehistoric cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the Project Area.

In regard to historic-era resources, the lack of visible structures in immediate proximity to the Project Area on the reviewed historic topographic quadrangle maps and aerial imagery, coupled with the historic impacts to the shallow upland soils, also suggests a low potential for historicera standing structures or associated cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the boundaries of the Project Area.

### RECOMMENDATIONS

Based on the assessed low potential for undocumented and intact cultural resources that would qualify for inclusion in the NRHP or for formal designation as SALs within the current Project Area, it is Horizon's opinion that a formal cultural resources survey of the Project Area is unwarranted. Horizon therefore recommends that TSS be allowed to proceed with the development of the Project Area relative to the jurisdiction of the ACT. However, in the unlikely event that any human remains or burial features are inadvertently discovered at any point during construction, use, or ongoing maintenance of the Project Area, all work at the location of the discovery should cease immediately, and the THC should be notified of the discovery.

Should you concur with Horizon's findings and recommendations, please sign below and return. Otherwise, Horizon requests that your office respond with additional information pertaining to the type and intensity of cultural resources investigations that you require within the Project Area. If you need any additional information, please feel free to call or email me.

Sincerely,

Tun Brownlow

Russ Brownlow, MA, RPA President - Horizon Environmental Services, Inc.

Enclosures (4: project location maps)



## REFERENCES

(Esri) Environmental Systems Research Institute

- 2017 Digital orthographic photography sourced by Esri for ArcGIS Online. <arcgis.com>. Imagery date January 23, 2017. Accessed January 20, 2021.
- (NPS) National Park Service
  - 2021 National Park Service National Register of Historic Places Google Earth Map Layer South Region, <a href="http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html">http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html</a>. Accessed January 19, 2021.
- (NETR) National Environmental Title Research
  - 2021 Historic Aerials by NETR Online, <a href="http://www.historicaerials.com">http://www.historicaerials.com</a>. Accessed January 20, 2021.
- (NRCS) US Department of Agriculture, Natural Resources Conservation Service
  - 1939 Soil Survey of Hunt County, Texas, <a href="https://www.nrcs.usda.gov/Internet/FSE\_MANUSCRIPTS/texas/TX231/0/Hunt.pdf">https://www.nrcs.usda.gov/Internet/FSE\_MANUSCRIPTS/texas/TX231/0/Hunt.pdf</a>>. Accessed January 19, 2021.
  - 2019 Soil Survey Geographic (SSURGO) Database for Hunt County, Texas.
- (OSM) OpenStreetMap Contributors
  - 2021 *Open Street Map.* <a href="http://www.openstreetmap.org">http://www.openstreetmap.org</a>. Available under the Open Data Commons Open Database License (www.opendatacommons.org/licenses/odbl). Accessed January 20, 2021.

(THC) Texas Historical Commission

2021 *Texas Archeological Sites Atlas Restricted Database*, <http://atlas.thc.state.tx.us/>. Accessed January 19, 2021.

(USGS) US Geological Survey

1964 7.5-minute series topographic map, Commerce South, Texas, quadrangle.









Revision 0









## **APPENDIX I/II-A.3**

## TXDOT CORRESPONDENCE

# SCS ENGINEERS

July 5, 2021

SCS Project Number 16219083.00

Mr. Noel Paramanantham, P.E. Texas Department of Transportation Interstate Hwy 30 E #3001 Greenville, Texas 75402 Phone No. 903-455-2303

Hand-delivered

Re: Traffic Information Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Paramanantham:

SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Highway 24 (SH 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are 33.195944° N latitude and 95.921551° W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

Since this property has been used previously as a soil borrow site, the driveway access on the northbound side of SH 24 was previously constructed and has been in use since that time. This same driveway will be used for TSS' transfer station. That driveway was permitted by TxDOT in 2017 (see TxDOT Permit No. 67-17 issued to Kenneth Millsap).

During the first year of operation, the total volume of traffic generated by the facility is expected to gradually increase to approximately 90 round trips per day. The maximum total volume of traffic generated by the facility, which will not occur for many years, is expected to be less than 180 round trips. Comparing this volume of traffic to the TxDOT 2019 data available for SH 24 in the vicinity of the site, we observed as follows:

- The initial traffic increase generated by the proposed transfer station will be less than one per cent of the traffic.
- Assuming traffic volume increase will be proportional to the projected population increase for the area, we anticipate that the maximum traffic increase generated by the proposed transfer station will be less than two per cent at a future date when the transfer station achieves design capacity.

Mr. Noel Paramanantham, P.E. July 5, 2021 Page 2

The purpose of this letter is to demonstrate coordination with the Texas Department of Transportation (TxDOT), consistent with TCEQ requirements (Title 30 of the Texas Administrative Code (TAC) Chapter  $\S330.61(i)(4)$ ). Therefore, SCS respectfully requests TxDOT provide, by return letter, confirmation of our having coordinated with TxDOT for this proposed facility.

Your assistance with this matter is greatly appreciated. If you require additional information for this review, please call Kevin Yard at 972-523-2414 (email: <u>kyard@scsengineers.com</u>) or Ryan Kuntz at 817-358-6117 (<u>rkuntz@scsengineers.com</u>.

Sincerely,

to - Jack

Kevin D. Yard, P.E., BCEE Vice President SCS Engineers TBPE Registration No. F-3407

- Att.: Drawing No. I/II-1, Site Location Map Drawing No. I/II-2, General Topographic Map
- cc: Mr. Josh Bray, President, Transfer Station Solutions

Ryan R. Kuntz, P.E. Vice President SCS Engineers

M:Pro\16219083.00\agency coordin Itrs\L-07052021 TxDOT--



Applicant's Ex. 1, p. 000810



Applicant's Ex. 1, p. 000811



3001 Interstate Highway 30 East, Greenville, Tx 75402

September 2, 2021

SCS Engineers Attn: Mr. Kevin D. Yard, P.E. 1901 Central Drive, Ste. 550 Bedford, TX 76021

RE: Confirmation Letter Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Yard:

We are in receipt of your letter dated July 5, 2021 requesting that a letter of confirmation demonstrating coordination with the Texas Department of Transportation (TXDOT) has been obtained. I have reviewed the subject location and proposed traffic impact to the area.

Our office will require Form 1058 (Permit to Construct Access Driveway Facilities on Highway Right of Way) for any driveway reconstruction that may be necessary at this location.

If you need any further information, please contact James Atkins II, P.E at (903) 453-3107.

Sincerely,

James Atkins, P.C. James Atkins II, P.E.

James Atkins II, P.E. Hunt and Rains County Area Engineer

JA Copies: Greenville Area Office District (permits)

THE TEXAS PLAN REDUCE CONGESTION•ENHANCE SAFETY•EXPAND ECONOMIC OPPORTUNITY•IMPROVE AIR QUALITY PRESERVE THE VALUE OF TRANSPORTATION ASSETS

An Equal Opportunity Employer

## **APPENDIX I/II-B**

## WETLANDS DETERMINATION AND ENDANGERED OR THREATENED SPECIES ASSESSMENT

SCS ENGINEERS August 2021

Applicant's Ex. 1, p. 000813



Mr. Kevin Yard, PE, BCEE SCS Engineers 1901 Central Drive; Suite 550 Bedford, Texas 76021

Re: Hunt County Transfer Station - Protected Species Habitat Assessment Approximately 5.9 acres for the proposed transfer station located at the southeast corner of Hunt County Road (CR) 4316 and Texas State Highway (SH) 26, south of Commerce, Hunt County, Texas

#### Dear Mr. Yard,

Integrated Environmental Solutions, LLC (IES) performed a protected species habitat assessment on approximately 5.9 acres for the proposed transfer station located at the southeast corner of CR 4316 and SH 26, south of Commerce, Hunt County, Texas (**Attachment A, Figure 1**). This habitat assessment was performed to satisfy the requirements regarding the Endangered Species Act (ESA). The following report is a list of the federal and state-listed protected species for Hunt County and their preferred vegetation assemblages, a summary of the vegetation communities identified on the site, an evaluation of whether or not the communities present on the site could support a protected species, and whether or not future proposed actions would affect listed species.

#### INTRODUCTION

#### Protected Species

#### Federal

The ESA of 1973 (Public Law [P.L.] 93-205) and the amendments of 1988 (P.L. 100-578) were enacted to provide a program of preservation for endangered and threatened species and to provide protection for ecosystems upon which these species depend for their survival. The ESA requires all federal agencies to implement protection programs for designated species and to use their authorities to further the purposes of the Act. Responsibility for the listing of an endangered or threatened species and for the development of recovery plans lies with the Secretary of Interior and Secretary of Commerce. The U.S. Fish and Wildlife Service (USFWS) is responsible for implementing the ESA within the United States.

An endangered species is a species, which is in danger of extinction throughout all or a significant portion of its range. A threatened species is a species likely to become endangered within the near future throughout all or a significant portion of its range. Proposed species are those, which have been formally submitted to Congress for official listing as endangered or threatened.

In addition, the USFWS has identified species, which are candidates for possible addition to the list of Endangered and Threatened Wildlife and Plants (50 Code of Federal Regulations [CFR] 17.11 and 17.12) under the ESA. The USFWS maintains a candidate list to: (1) provide advance knowledge of potential listings that could affect land planning decisions, (2) solicit input to identify candidates not requiring protection or additional species that may require protection under the ESA, and (3) solicit information needed to prioritize the order in which species will be proposed for listing. Candidate species have no legal protection under the ESA.

> Integrated Environmental Solutions, LLC. | 610 Elm Street, Suite 300 McKinney, Texas 75069 | www.intenvsol.com

> > Telephone: 972.562.7672 I/II-B-2

August 2021

Applicant's Ex. 1, p. 000814

Revision 0

The Migratory Bird Treaty Act of 1918 states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance within the Act's policies and regulations. However, in a recent decision the U.S. Court of Appeals for the Fifth Circuit found that for an unlawful "taking" to occur, a "deliberate act done directly and intentionally to migratory birds" would need to occur. (United States v. CITGO Petroleum Corp., No. 14-40128 [5th Cir. Sept. 4, 2015]).

#### State

The Texas Parks and Wildlife Department (TPWD) Wildlife Diversity Program (WDP) maintains computerized records of state-listed threatened and endangered species by county. The State of Texas does not list threatened and endangered species using the same criteria as the federal government. When the USFWS lists a plant species, the State of Texas then lists that plant. Thus, the list of threatened and endangered plants in Texas is the same as the federal list. The state has separate laws governing the listing of animal species as threatened or endangered. Threatened and endangered animal species in Texas are those species so designated according to Chapters 67 and 68 of the Texas Parks and Wildlife Code and Section 65.171 - 65.184 of Title 31 of the Texas Administrative Code. Species that are not currently listed by the Federal government may be listed as threatened or endangered by the TPWD.

#### METHODOLOGY

Prior to conducting fieldwork, the list of Endangered and Threatened Wildlife and Plants under the ESA was obtained through the USFWS Information, Planning, and Conservation System (IPaC) and from the TPWD WDP and the Texas Natural Diversity Database (TXNDD). The vegetation communities used by each species was obtained and is detailed below. During the field survey, vegetation composition within and adjacent to the project site were noted to determine whether there was any potential for protected species habitat. This survey was not designed to identify the presence of protected species; however, if any species were observed, they were recorded. Photographs were taken at representative points, illustrating common vegetation communities within the survey area (Attachment B).

#### RESULTS

#### Literature Review

According to the USFWS, three species; Least Tern (*Sterna antillarum*), Piping Plover (*Charadrius melodus*), and Red Knot (*Calidris canutus rufa*) are listed as federally protected (i.e., threatened or endangered) with the potential to occur within Hunt County. All of these species are conditionally listed as threatened within Hunt County on the basis that the proposed project is for wind energy production. No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks or natural/managed areas within the survey area.

**Attachment C** identifies the state and federally protected species that could potentially occur within Hunt County from the IPAC and Rare and Threatened Endangered Species of Texas (RTEST) lists.

#### Site Survey

Mr. Shae Kipp of IES evaluated the survey area on 07 January 2021. The site survey was conducted the day after a rainfall and during the survey there was light precipitation resulting in hydrology on the site that is not present in the majority of the year. This survey was designed to provide a habitat evaluation of the overall survey area with the primary focus on the plant community.

The survey area was characterized as a partially disturbed grassland previously used for livestock production. The larger, eastern portion was predominantly undisturbed. The undisturbed areas were predominantly vegetated by native prairie grasses with some woody vegetation along a small drainage corridor in the northwest corner and along a fence line in the eastern portion. The three vegetation communities observed included: **grassland**, **forested corridor**, and **urban/disturbed**.

The **grassland** vegetation community was comprised of native prairie vegetation dominated by little bluestem (*Schizachyrium scoparium*), silver bluestem (*Bothriochloa laguroides*), field brome (*Bromus arvensis*), meadow dropseed (*Sporobolus asper*), and white tridens (*Tridens albescens*). The wooded area in the northwest corner included groundcover species such as bushy bluestem (*Andropogon glomeratus*) and various sedges (*Carex* spp.) (see **Attachment D**). No wetlands were identified within or along the small drainage corridor. A wetland data form was completed near these vegetation species based on their status in the Great Plains National Wetland Plant List (2018). There were no hydric soils and no hydrology identified.

The **forested corridor** vegetation community, in the western survey portion, was observed with woody vegetation which included sugarberry (*Celtis laevigata*), Osage-orange (*Maclura pomifera*), honey locust (*Gleditsia triacanothos*), and roughleaf dogwood (*Cornus drummondii*). The woody vegetation observed along the fence line in the eastern portion had larger trees, including sugarberry, American elm (*Ulmus americana*), cedar elm (*Ulmus crassifolia*), post oak (*Quercus stellata*), water oak (*Quercus nigra*), and eastern redcedar (*Juniperus virginiana*). The western portion was observed with a gravel road entering the site from SH 24 that continued to unimproved surface parking and equipment operating areas associated with a pavement production company. The larger, eastern portion was predominantly undisturbed. The disturbed areas were identified as the **urban/disturbed** vegetation community characterized as unpaved and observed with open ground and gravel, and piles of debris predominantly lacking vegetation.

#### CONCLUSIONS

#### Preferred Habitat for Federally Protected Species

**Table 1** provides a summary of the federally and state-listed species that could potentially occur within Hunt County, as well as a brief description of their habitat, whether this habitat is present within the survey area, and whether the proposed project would potentially affect the listed species.

Regarding federally listed threatened and endangered species, Red Knot, Piping Plover, and Least Tern were listed for Hunt County. As the proposed project will not be related to wind energy, the Least Tern, Red Knot, and Piping Plover will not be affected. The habitats present within the survey area were not suitable for any of the federally listed threatened or endangered species. Nor were the habitats suitable for nesting, feeding, or stopover migration habitat for these species.

#### Preferred Habitat for State Protected Species

There were 14 state-listed threatened and endangered species for Hunt County, which includes three of the federally listed avian species. Any occurrence of the Least Tern, Piping Plover, and White-faced Ibis (*Plegadis chihi*) would be in relation to stopover during migration; however, no suitable stopover or nesting habitat was observed within the survey area. Black Rail (*Laterallus jamaicensis*) and Wood Stork (*Mycteria americana*) use marshes; the survey area was void of wetlands, so no habitat was present.

Although the tributary within the project site had pooled and flowing water, this hydrology was associated with the rain occurring in the preceding 24 hours. It is IES' opinion that the tributary only contained ephemeral or potentially intermittent flow. There were no perennial waters present within the survey area; therefore, suitable habitat for the Alligator snapping turtle (*Macrochelys temminckii*), Louisiana pigtoe (*Pleurobema riddellii*), Southern Hickorynut (*Obovaria arkansasensis*), Texas heelsplitter (*Potamilus amphichaenus*), and Texas pigtoe (*Fusconaia askewi*) was not present. The Texas horned lizard (*Phrynosoma cornutum*) prefers bare ground with scattered clumps of vegetation which does not occur within the survey area.

#### Vegetation Communities

None of the vegetation observed within the survey areas would be considered unique or compose a unique vegetation type for the region. The vegetation communities described were composed of species that are not only common to grassland and forested areas, but to the Cross-Timbers and Blackland Prairie eco-regions of North Central Texas. It is IES' professional opinion that the proposed project will not have any effect on any unique vegetation, vegetation communities, or habitat types.

Table 1. Federally- and State- listed Threatened and Endangered Species Occurring or Potentially Occurring in Hunt County, Texas

Species	State Status	Federal Status	Description of Habitat	Habitat Present <sup>1</sup>	Species Effect <sup>2</sup>
Interior Least Tern ( <i>Sterna antillarum</i> athalassos)	E	LE	The subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony.	No	No
Piping Plover (Charadrius melodus)	Т	LT	Wintering migrant along the Texas Gulf Coast; beaches and bayside mud or salt flats.	No	No
Red Knot (Calidris canutus rufa)		LT	Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. The Red knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and tidal flat/shore.	No	No
Black Rail (Laterallus jamaicensis)	т	PT	Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marshes, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia.	No	No
White-faced ibis (Plegadis chihi)	т		Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal rookeries in so-called hog-wallow prairies. Nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats.	No	No
Wood Stork (Mycteria americana)		LT	Prefers to nest in large tracts of baldcypress (Taxodium distichum) or red mangrove (Rhizophora mangle); forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960.	No	No
Black bear (Ursus americanus)	т		Generalist. Historically found throughout Texas. In Chisos, prefer higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. luteolus, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.	No	No
Louisiana pigtoe (Pleurobema riddellii)	т		Streams and moderate-size rivers, usually flowing water on substrates of mud, sand, and gravel; not generally known from impoundments; Sabine, Neches, and Trinity (historic) River basins.	No	No
Southern hickorynut (Obovaria arkansasensis)	т		Clay, sand, and medium sized gravel substrates with low to moderate current; Neches, Sabine, and Cypress river basins.	No	No
Texas heelsplitter (Potamilus amphichaenus)	т		Quiet waters in mud or sand and also in reservoirs. Sabine, Neches, and Trinity River basins.	No	No
Texas pigtoe ( <i>Fusconaia</i> askewi)	т		Occurs in small streams to large rivers, usually in water with at least some current; not known from reservoirs. Found in a variety of habitats but most common in riffles. Inhabits various substrates though most often sand, gravel, and cobble.	No	No
Alligator snapping turtle (Macrochelys temminckii)	т		Perennial water bodies; deep waters of rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near deep running water; sometimes enters brackish coastal waters; usually in water with mud bottom and abundant aquatic vegetation; may migrate several miles along rivers; active March- October; breeds April-October.	No	No
Northern scarlet snake (Cemophora coccinea copei)	т		Terrestrial: Prefers well drained soils with pine, hardwood, or mixed hardwood scrub in addition to open grassland habitats with appropriate soils.	No	No
Texas horned lizard (Phrynosoma cornutum)	т		Open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive: breeds March-September.	No	No

LE – Federally Listed Endangered, LT – Federally Listed Threatened, DL – Federally Delisted, E – State Listed Endangered, T - State Listed Threatened <sup>1</sup>Habitat Present? – Does the habitat located within the survey area match the habitat requirements for that particular protected species? <sup>2</sup>Species Effect? – Will the proposed project potentially affect a protected species?

Data Sources: USFWS IPaC (4 January 2021), TPWD (04 January 2021), and field survey of the project site

#### Potential to Affect Protected Species

As previously noted, no preferred habitat for any of the federally or state-listed species was present within the survey area. As such, the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species.

IES appreciates the opportunity to work with you and SCS Engineers on this project and hope we may be of assistance to you in the future. If you have any comments, questions, or concerns, please do not hesitate to contact me at 972-562-7672 (rreinecke@intenvsol.com)

Sincerely,

Integrated Environmental Solutions, LLC.

Rudi Reinecke

Rudi Reinecke Vice President

File ref: 04.306.004

## ATTACHMENT A

Figures





### ATTACHMENT B

Site Photographs









Photograph 2



Photograph 3



Photograph 5



Photograph 7 Revision 0



Photograph 4



Photograph 6



Photograph 8





Photograph 9



Photograph 11



Photograph 13



Photograph 15 Revision 0









Photograph 14



Photograph 16

August 2021

Applicant's Ex. 1, p. 000825







Photograph 19



Photograph 21

Photograph 20



Photograph 22

## ATTACHMENT C

**Protected Species Lists** 



# United States Department of the Interior

FISH AND WILDLIFE SERVICE Arlington Ecological Services Field Office 2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 Phone: (817) 277-1100 Fax: (817) 277-1129 http://www.fws.gov/southwest/es/arlingtontexas/

http://www.fws.gov/southwest/es/EndangeredSpecies/lists/



January 04, 2021

In Reply Refer To: Consultation Code: 02ETAR00-2021-SLI-0758 Event Code: 02ETAR00-2021-E-01795 Project Name: Hunt County Transfer Station

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, which may occur within the boundary of your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under section 7(a)(1) of the Act, Federal agencies are directed to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Under and 7(a)(2) and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether their actions may affect threatened and endangered species and/or designated critical habitat. A Federal action is an activity or program authorized, funded, or carried out, in whole or in part, by a Federal agency (50 CFR 402.02).

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For Federal actions other than major construction activities, the Service suggests that a biological evaluation (similar to a Biological Assessment) be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.
After evaluating the potential effects of a proposed action on federally listed species, one of the following determinations should be made by the Federal agency:

- 1. *No effect* the appropriate determination when a project, as proposed, is anticipated to have no effects to listed species or critical habitat. A "no effect" determination does not require section 7 consultation and no coordination or contact with the Service is necessary. However, the action agency should maintain a complete record of their evaluation, including the steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related information.
- 2. *May affect, but is not likely to adversely affect* the appropriate determination when a proposed action's anticipated effects are insignificant, discountable, or completely beneficial. Insignificant effects relate to the size of the impact and should never reach the scale where "take" of a listed species occurs. Discountable effects are those extremely unlikely to occur. Based on best judgment, a person would not be able to meaningfully measure, detect, or evaluate insignificant effects, or expect discountable effects to occur. This determination requires written concurrence from the Service. A biological evaluation or other supporting information justifying this determination should be submitted with a request for written concurrence.
- 3. *May affect, is likely to adversely affect* the appropriate determination if any adverse effect to listed species or critical habitat may occur as a direct or indirect result of the proposed action, and the effect is not discountable or insignificant. This determination requires formal section 7 consultation.

The Service recommends that candidate species, proposed species, and proposed critical habitat be addressed should consultation be necessary. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the wind energy

3

guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/ towers/comtow.html.

For additional information concerning migratory birds and eagle conservation plans, please contact the Service's Migratory Bird Office at 505-248-7882.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

# **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

#### **Arlington Ecological Services Field Office**

2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 (817) 277-1100

# **Project Summary**

Consultation Code:02ETAR00-2021-SLI-0758Event Code:02ETAR00-2021-E-01795Project Name:Hunt County Transfer StationProject Type:DEVELOPMENTProject Description:04.306.004Project Location:Event County Transfer Station

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@33.1960773,-95.92117689248244,14z</u>



Counties: Hunt County, Texas

# **Endangered Species Act Species**

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 3 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### **Birds**

NAME	STATUS
Least Tern Sterna antillarum	Endangered
Population: interior pop.	U U
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/8505</u>	
Piping Plover Charadrius melodus	Threatened
Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except	
those areas where listed as endangered.	
There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/6039</u>	
Red Knot Calidris canutus rufa	Threatened
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/1864</u>	
Critical habitats	
THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFF	TICE'S

JURISDICTION.

Last Update: 8/25/2020

#### HUNT COUNTY

#### BIRDS

Black Rail Laterallus jamaicensis

Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Federal Status: PT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

#### interior least tern Sternula antillarum athalassos

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: LE	State Status: E	SGCN: Y
Endemic: N	Global Rank: G4T3Q	State Rank: S1B

#### piping plover

#### Charadrius melodus

Beaches, sandflats, and dunes along Gulf Coast beaches and adjacent offshore islands. Also spoil islands in the Intracoastal Waterway. Based on the November 30, 1992 Section 6 Job No. 9.1, Piping Plover and Snowy Plover Winter Habitat Status Survey, algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. Sand flats often appear to be preferred over algal flats when both are available, but large portions of sand flats along the Texas coast are available only during low-very low tides and are often completely unavailable during extreme high tides or strong north winds. Beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Beaches are rarely used on the southern Texas coast, where bayside habitat is always available, and are abandoned as bayside habitats become available on the central and northern coast. However, beaches are probably a vital habitat along the central and northern coast (i.e. north of Padre Island) during periods of extreme high tides that cover the flats. Optimal site characteristics appear to be large in area, sparsely vegetated, continuously available or in close proximity to secondary habitat, and with limited human disturbance.

Federal Status: LT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2N

#### **Rufa Red Knot**

#### Calidris canutus rufa

Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (Donax spp.) on beaches and dwarf surf clam (Mulinia lateralis) in bays, at least in the Laguna Madre. Wintering Range includes-Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore.

#### Federal Status: LT State Status: T

Endemic: N

#### Global Rank: G4T2

SGCN: Y State Rank: S2N

Revision 0

I/II-B-22

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000834 Plegadis chihi

white-faced ibis

rookeries in so-called hog-wa	llow prairies. Nests in marshes, in low trees, on	the ground in bulrushes or reeds, or on floating mats.
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S4B
wood stork	Mycteria americana	
Prefers to nest in large tracts of pastures or fields, ditches, and association with other wading wetlands, even those associated	of baldcypress (Taxodium distichum) or red man I other shallow standing water, including salt-w birds (i.e. active heronries); breeds in Mexico a ed with forested areas; formerly nested in Texas	ngrove (Rhizophora mangle); forages in prairie ponds, flooded ater; usually roosts communally in tall snags, sometimes in and birds move into Gulf States in search of mud flats and other , but no breeding records since 1960
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G4	State Rank: SHB,S2N
	MAMMALS	
black bear	Ursus americanus	
Generalist. Historically found in desert scrub of Trans-Pecos bottomland hardwoods, floody forested areas.	throughout Texas. In Chisos, prefers higher ele s (Black Gap Wildlife Management Area) and E plain forests, upland hardwoods with mixed pin	evations where pinyon-oaks predominate; also occasionally sighted Edwards Plateau in juniper-oak habitat. For ssp. luteolus, e; marsh. Bottomland hardwoods and large tracts of inaccessible
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5	State Rank: S3
	MOLLUSKS	
Louisiana Pigtoe	Pleurobema riddellii	
Occurs in small streams to lar (Howells 2010f; Randklev et a	ge rivers in slow to moderate currents in substra al. 2013b; Troia et al. 2015). [Mussels of Texas	ates of clay, mud, sand, and gravel. Not known from impoundments 2019]
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G1G2	State Rank: S1
Southern Hickorynut	Obovaria arkansasensis	
Clay, sand, and medium sized	gravel substrates with low to moderate current	; Neches, Sabine, and Cypress river basins
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: GNR	State Rank: S1
Texas Heelsplitter	Potamilus amphichaenus	
Occurs in small streams to lar reservoirs. Often found in soft	ge rivers in standing to slow-flowing water; mo t substrates such as mud, silt or sand (Howells e	st common in banks, backwaters and quiet pools; adapts to some t al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019]
Federal Status:	State Status: T	SGCN: Y

Revision 0

I/II-B-23

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000835 Texas Parks & Wildlife Dept. Annotated County Lists of Rare Species

Texas Pigtoe	Fusconaia askewi	
Occurs in small streams to large rive most common in riffles. Inhabits van Randklev et al. 2014a; Troia et al 20	ers, usually in water with at least some current; not known fro rious substrates though most often sand, gravel, and cobble (H 015).[Mussel of Texas 2019]	m reservoirs. Found in a variety of habitats but Iowells 2010a; Randklev et al. 2013b;
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G2?	State Rank: S2S3
	REPTILES	
alligator snapping turtle	Macrochelys temminckii	
Aquatic: Perennial water bodies; riv brackish coastal waters. Females em	ers, canals, lakes, and oxbows; also swamps, bayous, and pon erge to lay eggs close to the waters edge.	ds near running water; sometimes enters
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G2G3	State Rank: S2
northern scarlet snake	Cemophora coccinea copei	
Terrestrial: Prefers well drained soil soils.	s with pine, hardwood, or mixed hardwood scrub in addition t	to open grassland habitats with appropriate
Federal Status:	State Status: T	SGCN: Y
Endemic: N	Global Rank: G5T5Q	State Rank: S3
Texas horned lizard	Phrynosoma cornutum	
Terrestrial: Open habitats with spars	e vegetation, including grass, prairie, cactus, scattered brush o	or scrubby trees; soil may vary in texture from

I errestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status:State Status: TEndemic: NGlobal Rank: G4G5

SGCN: Y State Rank: S3

August 2021

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 000836

DISCLAIMER

#### ATTACHMENT D

Routine Wetland Determination Data Form

#### WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: Hunt County Transfer Station	City/County: Commerce / Hunt County	Sampling Date: 01/07/2021
Applicant/Owner: SCS Engineers	State: TX	Sampling Point: 1
Investigator(s):Shae Kipp	Section, Township, Range: N/A	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): none	Slope %: 15
Subregion (LRR): _ J Lat: _ 33.196865	, N Long:95.922899 W	Datum: NAD 1983
Soil Map Unit Name: Axtell Ioam, 1 to 5 percent slopes	NWI Classification:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes 🛛 No 🗌	(If no, explain in Remarks.)	
Are vegetation, 🔲 Soil, 🔲 Or hydrology 🔲 Significantly dista	ırbed? Are "Normal Circumstances" present? Yes 🖂	No 🗔
Are vegetation, 🗌 Soil, 🔲 Or hydrology 🔲 Naturally probler	natic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS — Attach site map showing sampling poi	nt locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes 🗆 No 🖂		
Hydric Soil Present? Yes 🗆 No 🖂	s the Sampled Area within a wetland? Yes No 🖂	
Wetland Hydrology Present? Yes 🗖 No 🖂		
Remarks: Drainage course in northwest corner; eastern slope oriented toward small tributary		

#### VEGETATION - Use scientific names of plants.

	Abcoluto %	Dominant	Indicator	Dominance Test worksheet:		
Tree Stratum (Plot Size: 30' Radius )	Coverage	Species?	Status	Number of Dominant Species That		
1. None				(excluding FAC-):	0	(A)
2.				Total Number of Dominant Species		
3				Across All Strata:	2	(B)
4.				Porcent of Dominant Chocies That		
		= Total Cover		Are OBL, FACW, or FAC:	0	(A/B)
Capting (Chrub Stratum (Dist Sizo 15' Dadius )				Drovalouro Indox Workshoot.		
				Total 0/ Cover of	Multinly Dy	
1. <u>None</u>					мотру ву:	
2					x I =	
3				FACW species	x 2 =	
4.				FAL Species	x 3 =	
5				FACU species	x 4 =	
		_ = Total Cover		UPL species	x 5 =	
<u>Herb Stratum</u> (Plot Size: <u>5' Radius</u> )				Column Totals:	(A)	(B)
1. Lolium perenne	80	<u> </u>	UPL			
2. Andropogon glomeratus	8	<u>N</u>	FACW	Prevalence Index = $B/A$ =		
3						
4.		<u> </u>		Hydrophytic Vegetation Indicator	s:	
5.						
ó				1 - Rapid Te	st for Hydrophytic Vegetatio	n
7				2 - Dominan	ce Test is > 50%	
8.				3 - Prevalen	ce Index is <u>&lt;</u> 3.01	
9.				4 - Morpholo	ogical Adaptations <sup>1</sup> (Provide	supporting data
10.				in Remar	ks or on a separate sheet)	
	88	= Total Cover		Problematic Hvd	rophytic Vegetation <sup>1</sup> (Explain	)
		-		<sup>1</sup> Indicators of hydric soil and wetle	ind hydrology must be pres	, ent, unless
<u>Woody Vine Stratum</u> (Plot Size: <u>30' Radius</u> )				disturbed or problematic.		
1. Rubus trivialis	10	Y	FACU			
2.				Hudronhutic Vanatation		
	10	= Total Cover		Present? Yes	□ No ⊠	
% Bare Ground in Herb Stratum 12						
Remarks:						
US Army Corps of Engineers		I/II-B-2	6		Great Plair	ns — Version 2.0

	( <b>b</b> 1) ( <b>b</b> 1)							Sampling Point: <u>1</u>
file Descriptio	on: (Describe to the depth n	eeded to documer	t the indicator or conf	irm the absence of i	ndicators.)			
Depth (inches)	Matrix Color (moist)	0/0	Color (moist)	Redox Featu	Ires Tyne <sup>1</sup>	Loc <sup>2</sup>	- Texture	Remarks
0.4	10VP 2/2	100		/0	Type		Clav loam	Komurks
0-0	101K 3/2			<u> </u>				
6-16	10YR 3/2	20		·			Clay loam	
6-16	7.5YR 3/4	80		·			Sandy loam	
				<u> </u>				
e: C=Concent	ration. D=Depletion. RM=Red	uced Matrix. CS=Cov	vered or Coated Sand Grain	is. <sup>2</sup> Location: PL=	Pore Linina. M=	=Matrix		
tric Soil indica	itors: (Applicable to all LRR	s, unless otherwis	e noted.)			Indicators	for Problematic Hydric S	Soils <sup>3</sup> :
	Histosol (A1)			andy Gleyed Matrix (S4	)		1 CM Muck (A9) ( <b>LRR I, J</b>	)
	Histic Epipedon (A2)			andy Redox (S5)			Coast Prairie Redox (A16)	(LRR F, G, H)
H	Black Histic (A3) Hydrogen Sulfide (A4)			.oamv Muckv Mineral (F	1)		High Plains Depressions	) (F16)
	Stratified Layers (A5) (LRR F)			.oamy Gleyed Matrix (F	2)		(LRR H outside of	MLRA 72 & 73)
	1 cm Muck (A9) ( LRR F, G, H)			Depleted Matrix (F3)			Reduced Vertic (F18)	
	Depleted below Dark Surface (/ Thick Dark Surface (A12)	ATT)		ledox Dark Surtace (F6) Sepleted Dark Surface (F	= 7)		Red Parent Material (TF2)	(TE12)
	Sandy Mucky Mineral (S1)			edox Depressions (F8)	"		Other (Explain in Remarks	5)
	2.5 cm Mucky Peat or Peat (S2)	(LRR G, H)		ligh Plains Depressions	(F16	<sup>3</sup> India	ators of hydrophytic vegetat	ion and wetland hydrology must
	5 cm Mucky Peat or Peat (S3) (	LRR F)		(MLRA 72 & 73 of	f LRR H)	be	present, unless distributed o	r problematic.
Type.	Nono							
Denth (inches	:). N/A					Hydric Soi	l Present? Yes 🗌	No 🖂
2 opin (maios	<i>n</i> <u>-                                   </u>							
narks:								
tland Hydrolo	av Indicators:							
narv indicators	(minimum of one required; chec	k all that apply)				Secondary	Indicators (minimum of two	required)
Surface W	ater (A1)	[	Salt Crust (B11)				Surface Soil Cracks (B6)	
] High Wate	r Table (A2)	[	Aquatic Invertebra	tes (B13)			parsely Vegetated Concave	Surface (B8)
J Saturation	(A3) (ks (B1)	l	Hydrogen Sultide O	dor (LI) Table (C2)			Jrainage patterns (B10) Oxidized Rhizocoboroc on Liv	ing Roots (C3)
Sediment	Deposits (B2)	l ſ	Oxidized Rhizosphe	eres on Livina Roots (C3	)		(where tilled)	וווע הסטוג (כס)
Drift Depo	sits (B3)	· · ·	(where not till	ed)	,		Crayfish Burrows (C8)	
Algal Mat	or Crust (B4)	[	Presence of Reduce	d Iron (C4)			aturation Visible on Aerial Ir	nagery (C9)
J Iron Depo:	sits (B5) Nicible on Aprial Imagory (D7)	[	Thin Muck Surface	marks)			Geomorphic Position (D2)	
) Water Stai	ined Leaves (B9)	l		sinul KSj			Frost-Heave Hummocks (D7)	(LRR F)
d Observatio	ns:					·		· · ·
aco Wator Brock	ant? Vac? 🗖	No? 🔽	Denth (inches):					

Saturation Present?

Water Table Present?

(includes capillary fringe) Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes? 🔲 No? 🖂

Yes? 🔲 No? 🖂

Depth (inches):

Depth (inches):

Remarks:

Yes 🗌 No 🖂

Wetland Hydrology Present?

# **APPENDIX I/II-C**

## OIL AND WATER WELL LOCATION SUMMARY



Applicant's Ex. 1, p. 000841

# **APPENDIX I/II-D**

## LAND OWNERSHIP LIST

#### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 Brazin Properties LP P O Box 6247 1806 S Church Paris, Texas 75461
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 WEBB BILLY 4292 FM 1568 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

#### Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 RYAN R KUNTZ Paris, Texas 75461 9/8/2021

Prepared by:

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

		TABLE OF CONTENTS
<u>SECT</u>	<u>ION</u>	PAGE
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]Ill-2
	2.2	WASTE MOVEMENT §330.63(B)(2)III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-4
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-5
		2.3.3 Protection of Endangered Species §330.63(b)(5)
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)III-8
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)III-9
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J) III-10

#### ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate



SCS Engineers TBPE Reg. # F-3407

# 1.0 INTRODUCTION

In accordance with 30 TAC §330.63(a), the following sections include the applicable portions of Part III of a permit application that summarize the land-use and zoning and the adequacy of access roads and highways surrounding the proposed facility. Part III also provides information on the general design of the facility to safeguard the health, welfare, and physical property of people and the environment.

# 1.1 SITE LOCATION AND HISTORY

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24) approximately 0.4 mile north of the intersection of SH 24 and County Road 4317 and approximately 4 miles north of Campbell, Texas. The site location is shown on Figure I/II-1 in Parts I/II of this permit application. Additionally, an aerial photograph showing the site and access roads is included as Part I/II, Figure I/II-3, and a general topographic map is included as Part I/II, Figure I/II-2.

At its peak, the new facility will have a waste intake capacity projected at approximately 1,000 tons/day.

The physical address for the transfer station is 3491 SH 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N  $33^{\circ}11'48.6"$  latitude and W  $95^{\circ}55'23.5"$  longitude.

# 1.2 LAND USE AND ZONING [§330.63(A)]

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map and described in Section 3.1.2 of Parts I/II.

# 2.0 GENERAL FACILITY DESIGN

In accordance with 30 TAC §330.63(b), the general facility design is discussed in the following sections.

# 2.1 FACILITY ACCESS

## 2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]

In accordance with 30 TAC §330.61(i), an analysis of the adequacy of SH 24 was performed for the transfer station. Supporting data is included in Section 3.2 of Parts I/II. Based on these data, SH 24, which provides access to the facility, is adequate in capacity and structure to continue to serve the needs of the general public using SH 24, as well as the transfer station.

## 2.1.2 Fences and Access Control [§330.63(b)(1)]

Public access to the transfer station will be controlled by means of a perimeter fence which encompasses the entire permit boundary. Access to the transfer station is limited to the gated site entrance located off of SH 24.

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the site is minimized by controlling access to the transfer station with sites fencing, artificial barriers, locking entrance and exit gates. The fence will consist of a 6-foot-high chain-link fence, and/or a barbed wire fence (at least three-strand) or a mesh wire. Part III, Attachment 1, Figure III-1.1 shows the location of the fencing and the gates.

During operating hours, the site personnel will continuously monitor the site entrance gate to prevent any unauthorized entry to facility. Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by site management.

A conspicuous sign measuring a minimum 4 feet by 4 feet will be maintained at the entrance to the facility. The sign will state the following: in letters at least 3-inches high:

- the name of the site,
- the type of site,
- the permit number issued by the TCEQ,
- the hours and days of operation,
- an emergency 24-hour contact phone number(s), and
- the local emergency fire department phone number.

The sign will be visible and readable from the facility entrance. Other signs stating rules will be posted throughout the site. A sign will state that certain wastes are prohibited from receipt at the facility, as discussed in the Part IV, Site Operating Plan.

# 2.2 WASTE MOVEMENT §330.63(B)(2)

### 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

#### 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

#### 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building, which is open on two sides, will provide ample passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels on two sides, and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

### 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation.

## 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The proposed drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted water plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

#### 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The proposed facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

#### 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. Tipping floor washdown water will directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a minimum 2,000-gallon contaminated water holding tank.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. A spray nozzle, such as a standard wash-down gun product, will be used to hose down the concrete tipping floor. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

## 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this proposed facility are summarized in the following sections.

## 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area.

## 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

# 4.0 WASTE MANAGEMENT UNIT DESIGN §330.63(D)(1)

In accordance with §330.63(d), the general design and waste operations and storage are summarized in the following sections.

## 4.1 WASTE OPERATIONS §330.63(D)(1)(A)

The facility is designed for efficient waste processing and transfer. All solid waste will be stored on the building tipping floor only and processed or transferred promptly, thereby preventing nuisances and public health hazards.

General operations will be conducted in a manner that allows for the prompt and efficient unloading of waste. The waste will be discharged from the collection vehicles onto the facility processing floor (tipping floor). Waste will be loaded into open-top transfer trailers, covered and transported to an authorized disposal facility.

As shown on Part III, Attachment 1, Figures III-1.3, the collection trucks will enter the site and will weigh-in at the scale house. The trucks will proceed to the transfer station building where they will unload the waste onto the tipping floor for processing and then return to the on-site access road to the exit the site. After the waste has been processed, the waste will be loaded into transfer trucks located on the tipping floor. After the transfer trucks are full, they will be tarped and proceed to the facility exit. Empty transfer trucks that are awaiting loading will que up on the area leading to the building.

# 4.2 SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227

Staging and processing areas at this facility will be located within the transfer station structure. The tipping floor is designed to control and contain spills and contaminated water. Contaminated water generated by the transfer station consists of washdown water applied to the tipping floor. Contaminated water is conveyed from the tipping floor to a minimum 2,000-gallon holding tank, which is pumped by a registered hauler and transported to a permitted waste water treatment facility for disposal.

# 4.3 WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. Solid waste will be stored in a manner to prevent fires, ensure safety, prevent a health hazard, or preclude food or harborage for animals and vectors, and contained to minimize windblown solid waste and litter. Solid waste will be stored either in a transfer trailer with a tarp cover or on the tipping floor with a tarp cover. Recyclable materials stored on the tipping floor or in enclosed containers will not require tarping. The maximum time waste material will be stored will not exceed 48 hours for the transfer station, except on holidays or weekends. On holidays and/or weekends the maximum time will not exceed 72 hours.

# 5.0 CLOSURE PLAN §330.63(H)

A closure plan is included as Part III, Attachment 2.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is \$55,200.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



TBPE Reg. # F-3407

# **FIGURES**

scs engineers August 2021



#### Applicant's Ex. 1, p. 000861





Applicant's Ex. 1, p. 000862



Applicant's Ex. 1, p. 000863

CCE BOLLARD -(TYP.) Ο  $\mathcal{O}$ TIPPING FLOOR - TRANSFER VEHICLES DRIVES INTO UNLOADING POSITION - WALL (TYP.) (3) 120' GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) Ē SLOPE SLOPE A III-1.5 - ELECTRICAL, SUPPLY STORAGE AREAS F WASTE COLLECTION VEHICLES DRIVES INTO AN UNLOADING POSITION Oр 120' EGRESS SLOPE



Applicant's Ex. 1, p. 000864


Applicant's Ex. 1, p. 000865





#### NOTES:

- PERIMETER FENCING ALONG THE PERMIT BOUNDARY WILL BE BARBED WIRE OR A CHAIN LINK FENCE TO PROVIDE SECURITY. A GATE WILL BE PROVIDED AT THE ENTRANCE.
- 2. ALL-WEATHER ENTRANCE ROAD WILL CONSIST OF EITHER:
- A<u>SPHALT PAVEMENT</u> MINIMUM 2" THICK ASPHALT SURFACE, 12" THICK ASPHALT BASE, 4" THICK PREPARED SUBGRADE
- <u>CONCRETE PAVEMENT</u> 9" THICK REINFORCED CONCRETE, 6" THICK AGGREGATE BASE, 4" THICK PREPARED SUBGRADE
- ALTERNATE ASPHALT, CONCRETE OR OTHER ROAD BUILDING MATERIAL AT THE FACILITY'S DISCRETION
- 3. EXISTING CONTOURS SHOWN ARE A COMBINATION OF TOPOGRAPHIC FEATURES, AND PERMIT BOUNDARY FROM A GROUND SURVEY CONDUCTED BY SURVEY AND MAPPING, LLC (SAM), DATED JANUARY OF 2021; ADDITIONAL CONTOUR INFORMATION ACQUIRED FROM TOPOGRAPHY CREATED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), DATED 2007.
- 4. THE DESIGN OF THE FACILITY WILL MANAGE RUN-ON AND RUNOFF DURING THE PEAK DISCHARGE OF A 25-YEAR RAINFALL EVENT AND WILL PREVENT THE OFF-SITE DISCHARGE OF WASTE AND FEEDSTOCK MATERIALS. SURFACE WATER DRAINAGE IN AND AROUND THE FACILITY WILL BE CONTROLLED TO MINIMIZE SURFACE WATER RUNNING ONTO AND OFF THE TREATMENT AREA.



FOR PERMITTING PURPOSES ONLY



#### Applicant's Ex. 1, p. 000866





#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III - ATTACHMENT 2 CLOSURE PLAN



**Prepared by:** 

#### SCS ENGINEERS

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

#### **SECTION**

#### PAGE

1.0	INTRODUCTION	III-2-1
2.0	CLOSURE REQUIREMENTS	III-2-2
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	III-2-4
4.0	POST-CLOSURE CARE REQUIREMENTS	



SCS Engineers TBPE Reg. # F-3407

## 1.0 INTRODUCTION

In accordance with 30 TAC §330.459 and 30 TAC §330.461, Section 2.0 of this plan describes the steps necessary to close the facility at any point during its active life. Section 3.0 discusses Post-Closure Land Use of the site. Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC §330.463(a)(1).

## 2.0 CLOSURE REQUIREMENTS

The facility includes a partially-enclosed building, a scale house with scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates.

At the time of closure, the Owner or Operator will transport any remaining waste, waste residues, and any recovered materials to an off-site disposal facility permitted by the TCEQ. The tipping floor and processing areas will be washed down and disinfected. There are no facility units to be dismantled or removed off-site. The contaminated water storage tank will be emptied, flushed, and disinfected, but will remain at the site. The scale house building will be closed and locked. The water tank will be emptied during the washdown process and will remain at the site. The grit trap and sump for the contaminated water will be emptied, flushed, and disinfected, but will remain at the site will be emptied, flushed, and disinfected, but will remain intact. The related piping will be capped/plugged at the exit from the grit trap and sump. The stormwater drainage features at the site will remain intact in a functioning condition.

If there is evidence of a release from a municipal solid waste unit, the executive director of the TCEQ may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct an impact to groundwater, in accordance with 30 TAC §330.459(c).

In accordance with 30 TAC §330.461(a), no later than 90 days prior to the initiation of a final closure, the Owner will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will include the name, address, and physical location of the facility, the permit number, and the last day of intended receipt of materials for processing at the facility. The Owner or Operator will also make available an adequate number of copies of the approved Closure Plan for public access and review. The Owner or Operator will also provide written notification to the TCEQ of the intent to close the facility and place this Notice of Intent in the facility's operating record.

Closure activities for the site will begin after the date on which the facility receives the known final receipt of materials to be processed. The closure activities are as follows:

- Notify the TCEQ
- Post a minimum of one sign at the entrance to the facility notifying all persons who may utilize the facility of the date of closing for the facility and the prohibition against further receipt of waste materials after the stated date.
- Install suitable barriers at all gates or access points, or alternatively, fence around the entire waste processing area, to adequately prevent the unauthorized dumping of solid waste at the closed facility.
- Remove wastes, waste residues, and any recovered materials for disposal at an appropriate off-site location.
- Flush and disinfect the contaminated water holding tank.

- Wash and disinfect the transfer station building tipping floor and surfaces that have been in contact with waste, including contaminated water grit trap, sump, and related piping. Plug the related piping at the exit from the grit trap and sump.
- Drain the water tank during the washdown process.
- Conduct vector control procedures.
- Install suitable barriers, locks, and signs stating that the facility is closed.
- Repair damage to any fencing and gates and secure the site.
- Sample/test/classify the waste not readily identifiable as garbage, trash, or refuse, and transport to an approved disposal facility.
- Perform site inspection and prepare certification of closure in accordance with §330.461.

## 3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the facility, the Owner will submit, within 10 days, to the executive director for review and approval, a documented certification, signed by an independent registered professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330, Subchapter K. The submittal to the executive director will include all applicable documentation necessary for certification of final closure.

Within 10 days after completing final closure activities for the facility, the Owner or Operator will submit to the executive director by registered mail a certified copy of an "affidavit to the public" in accordance with the requirements of 30 TAC §330.19 and 30 TAC §330.457(g) and place a copy of the affidavit in the facility's operating record.

Following receipt of the required final closure documents, as applicable, the TCEQ's regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before terminating operation and closing the facility will be acknowledged and the facility deemed properly closed.

In accordance with §330.461(c)(3), Transfer Station Solutions will submit a request to the TCEQ for voluntary revocation of the facility permit.

## 4.0 POST-CLOSURE CARE REQUIREMENTS

Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC 330.463(a)(1). Therefore, no post closure care period is required.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE



**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

SECTION		PAGE	
1.0			
2.0	CLOSURE COST ESTIMATE		

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

## 1.0 INTRODUCTION

The closure cost estimate for the Highway 24 Transfer Station has been prepared in accordance with 30 TAC §330.505. Current TCEQ rules do not require post-closure maintenance for the transfer station.

## 2.0 CLOSURE COST ESTIMATE

The facility includes a partially-enclosed building, a scale house with a scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, partially enclosed building with an above-grade processing floor (tipping floor). The structure footprint will be approximately 120 feet by 120 feet with a concrete tipping floor, steel framing, metal exterior wall panels on two sides, and a roof.

A detailed estimate in current dollars of the cost of hiring a third party that is not affiliated (as defined in 30 TAC §328.2) with the Owner or Operator to close the facility at any time during the active life, when the extent and manner of its operation would make closure most expensive, is included in Table III-3.1. The cleanup and disposition costs for onsite waste material are based on a per ton measure, as shown in closure cost calculations provided in Appendix 3A. Engineering costs associated with the closure are based on standard engineering practice based on SCS Engineers' experience in completing these services at similar facilities.<sup>1</sup> No dismantling of the transfer station, scale house, concrete pad(s) or drainage structures will be conducted at closure. No changes to the site elevations at closure will occur that will affect the final contour map.

The estimated closure cost based on the above considerations is included in the attached Table III-3.1 in 2021 dollars. A copy of the required documentation to demonstrate financial assurance will be submitted 60 days prior to initial receipt of waste. During the active life of the facility, the Owner will annually adjust the Closure Cost Estimate and the amount of financial assurance for inflation in accordance with 30 TAC, Chapter 37, Subchapter J. An increase in the closure cost estimate and the amount of financial assurance will be made if changes to the facility conditions increase the maximum cost of closure. A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure and the Owner or Operator has provided written notice to the TCEQ of the detailed justification for this reduction. A permit modification, in accordance with §307.70, is required to reduce the closure cost estimate and the amount of financial assurance coverage for closure will be provided until all requirements of the Closure Plan are completed and the site is determined to be closed in writing by the TCEQ.

<sup>1.</sup> SCS Engineers is a national environmental engineering company providing solid waste services (including closure plans for transfer stations) as a core business.

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$3,000
B.2	Transport waste by a properly authorized transporter and dispose of waste at a properly authorized facility	\$17,500
B.3	General cleanup to include wash down of facility. To include	\$6,000
	waters/media.	
B.4	Vector control procedures.	\$1,500
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed \$1,000	
repairs to fence and gate. Secure fence and gate.		
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$48,500
	Contingency Cost (15%)	\$7,200
	Total	\$55,200

## Table III-3.1Cost Estimate for Third Party Closure

\* As noted in Part III, Section 4.3, the maximum waste inventory capacity is 500 tons for this facility

## **APPENDIX III-3A**

## CLOSURE COST CALCULATION

Item No.	Description Estimated Quantity Units Cost		Approx. Unit Cost	Extended Cost	Notes	
А	State Administration of Site Closure					
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	\$4,000.00	
3	Procure Bids	1	L.S.	\$2,000.00	\$2,000.00	
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00	
В	General Cleanup of Site and Process Un	its				
1	Cleanup and remove waste stored onsite 500 Tons \$6.00 \$3,000.00 max.waste to be on site per SOF		max.waste to be stored on site per SOP			
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	500	Tons	\$35.00	\$17,500.00	Large capacity transfer trucks (cost based on operator and SCS experience)
3	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00	
4	Vector control procedures	1	L.S.	\$1,500.00	\$1,500.00	Assumes site requires one treatment by pest control co.
С	Secure Site					
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00	
D	Certification of Abandonement and Completion of Cleanup					
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00	
2	Sample/test/classify waste (ash, liquids, sludge, other waste not readily identifiable as MSW). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00	
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated
	Subtotal				\$48,000.00	
Е	Contingency Cost (15%)				\$7,200	
	GRAND TOTAL				\$55,200	

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN



**Prepared by:** 

#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## **TABLE OF CONTENTS**

<u>SECTI</u>	<u>ON</u>			PAGE	
1	INTR		10N	IV-1	
	1.1	Gener	al Facility Design	IV-1	
	1.2	Gener	al Facility Operation	IV-1	
	1.3	Gener	al Facility Personnel	IV-2	
		1.3.1	Transfer Station Manager	E OF TEXA	
		1.3.2	Equipment Operators	IV-2	
		1.3.3	Gate Attendants	104689	
		1.3.4	Laborers	ONAL 9/8/2021	
	1.4	Gener	al Facility Equipment	SCS Engineers	
		1.4.1	Equipment for Emergencies	TBPE Reg. # F-3407 <sub>IV-4</sub>	
2	WA	STE ACO	CEPTANCE AND ANALYSIS (30 TAC §3	30.203) IV-5	
	2.1	Waste	Sources and Characteristics	IV-5	
	2.2	2 Measures for Controlling Prohibited Wastes			
		2.2.1	Managing of Prohibited Wastes	IV-8	
		2.2.2	Load Inspection Procedure	IV-9	
	2.3	Waste	Acceptance Rate	IV-9	
	2.4	Waste	Storage and Processing Time	IV-10	
	2.5	Waste	Disposal	IV-10	
	2.6	Waste	and Effluent Testing	IV-10	
3	FAC	ility - C	GENERATED WASTES (30 TAC §330.20	05)IV-11	
4	CON		ATED WATER MANAGEMENT (30 TAC	£§330.207)IV-12	
5	STO	RAGE R	EQUIREMENTS (30 TAC §330.209)	IV-13	
6	APPROVED CONTAINERS (30 TAC §330.211)IV-14			IV-14	
7	CITIZ	zen's c	OLLECTION STATION (30 TAC §330.2	13)IV-15	
8	REQ	UIREME	NTS FOR STATIONARY COMPACTORS	5 (30 TAC §330.215)IV-16	

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

Scs ENGINEERS September 2021

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

#### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### **APPENDICES**

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

## 1 INTRODUCTION

This Site Operating Plan (SOP) for the Highway 24 Transfer Station has been prepared based on Title 30 of the Texas Administrative Code (30 TAC) Chapter 330, Subchapter E. The Highway 24 Transfer Station (facility) is a Type V municipal solid waste transfer station owned and operated by Transfer Station Solutions, LLC (TSS). The purpose of this SOP is to provide general instruction to site management and operating personnel throughout the operating life of the facility. This document provides an operating guide for site management to maintain the facility in compliance with the engineering design and applicable regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) or appropriate successor agency, to protect human health and the environment, and to prevent nuisances. This plan is formatted to follow the regulatory criteria set forth in 30 TAC §330.201-249 (Subchapter E of the TCEQ Municipal Solid Waste Regulations). The plan may also serve as a reference source to assist in personnel training. This SOP and the permit will be kept onsite throughout the facility's life.

If, at any time during the life of the transfer station, the facility manager becomes aware of any condition in the approved SOP which necessitates a variation from the SOP to accommodate new technology or improved methods which makes it impractical to keep the facility in compliance with the SOP, the site owner will submit a revised SOP to the TCEQ. Such proposed changes to the approved SOP may require a modification to the Highway 24 Transfer Station permit application in accordance with 30 TAC §305.70 or an amendment to the permit application in accordance with 30 TAC §305.62. The appropriate modification/amendment will be submitted for action by the TCEQ.

## 1.1 GENERAL FACILITY DESIGN

The transfer station site includes the transfer station structure with a scale house/office and vehicle scales. The inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The facility will include a water tank, a contaminated water holding tank, stormwater drainage features, and a fence with locking gates. The transfer station structure is a single-level, building with a processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floor, steel framing, metal exterior panels on two sides, and a roof. The general design and construction details for the building components are included in Part III, Attachment 1, including a Site Layout Plan provided on Figure III1.1. The construction layout and building components are shown in Figures III-1.4 through III-1.7.

## 1.2 GENERAL FACILITY OPERATION

It is anticipated that incoming waste will mostly come in collection trucks (front-end- and rearend-loaded) and in roll-off boxes, with a lesser component received directly from small vehicles, dump trucks or end-dump style semi-tractor trailers. Waste collection vehicles will enter the site and be weighed at the scale. The gate attendant will screen incoming loads for their contents and acceptability and then direct these vehicles to the transfer station structure. Acceptable wastes will be off-loaded onto the tipping floor, inspected for prohibited wastes, and then loaded with site equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

## 1.3 GENERAL FACILITY PERSONNEL

#### 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class B license, as defined in 30 TAC §30.210.

## 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of non-employees and other persons while on the premises. Equipment Operators will be trained to check for and identify prohibited wastes, and to alert the Transfer Station Manager for proper

removal. Equipment Operators monitor and direct unloading vehicles and are also responsible for maintenance, litter abatement, and general site cleanup. The Equipment Operators intervene as necessary to prevent accidents and report unsafe conditions immediately to the Transfer Station Manager. Examples of their daily responsibilities may include, but are not limited to: loading materials into transfer trailers and using equipment to sweep the tipping floor. The Transfer Station Manager or designated representative will supervise the equipment operations.

**Qualifications:** At a minimum, be capable of fulfilling the obligations and duties described under this section. Equipment Operators that are hired on the basis of specific heavy equipment experience may be assigned to operate specific types of equipment without additional training.

#### 1.3.3 Gate Attendants

The Gate Attendants will manage the scale house to receive waste. The gate attendants will perform the following tasks: control site access and screen incoming waste; visually inspect open containers to verify contents, including inquiring/checking for prohibited waste; dispense information on the proper utilization of the site; assess tipping fee charges; maintain records of each transaction and vehicles entering the facility; and direct persons to the transfer station structure as appropriate. The Transfer Station Manager or designated representative will supervise the Gate Attendants.

**Qualifications:** Will be required to have experience and education commensurate with job requirements, as described above, and computer literacy skills. If the new employee does not have previous transfer station experience, he/she will be required to complete a training program or on-the-job training specific to their job responsibilities, prior to working in an unsupervised position.

#### 1.3.4 Laborers

Laborers will provide miscellaneous operations support at the transfer station. This support will include, but is not limited to: sweeping the operations areas using manual equipment, performing facility wash-down, collecting and disposing of windblown litter, performing general equipment and building maintenance, and directing vehicles in the unloading areas. Other site personnel or Laborers may be employed from time to time in categories such as maintenance, litter abatement, and general site cleanup. The minimum qualifications for Laborers are the demonstrated abilities to perform assigned duties in a safe and effective manner. The Transfer Station Manager and/or the Equipment Operators will supervise the Laborers.

## 1.4 GENERAL FACILITY EQUIPMENT

Sufficient equipment will be provided to have adequate capability to conduct site operations in accordance with the design and conditions of the Site Development Plan (SDP) and this SOP.

The facility will typically use one bucket front-end loader and one raised-cab basket grapple loader with a scale (or similar materials handling equipment) for the transfer operations. The minimum equipment required to operate the facility is one front-end loader. Collection vehicles will unload MSW within the transfer station on the tipping floor. A front-end loader will typically push the MSW towards a grapple loader (or similar materials handling equipment), which will transfer the MSW from the tipping floor into the transfer trailers or directly load waste from tipping floor to transfer trailers. The facility will have a permitted maximum rate of waste acceptance of 1,000 tons per day.

The facility will provide sufficient equipment if the volume of daily waste transfer will require additional equipment. Additional company-owned or rental equipment, such as road tractors, water trucks, and backhoes, may be provided as necessary to enhance operational efficiency. At infrequent times, such as during equipment breakdown or periodic maintenance, additional equipment stationed at other company facilities will be transported to the transfer station as needed. Other equivalent types of equipment may be substituted on an as-needed basis to adequately maintain the transfer station and meet the operational standards required by the TCEQ's regulations in accordance with all applicable local, state, and federal regulations.

#### 1.4.1 Equipment for Emergencies

Each major piece of equipment, scale house, and transfer station structure will be equipped with fire extinguishers. The on-site water tank will be available for firefighting purposes. A first-aid kit will be maintained at the site. Personal Protective Equipment will be supplied to the operators and laborers, as needed.

# 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)

## 2.1 WASTE SOURCES AND CHARACTERISTICS

This transfer station is authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste and certain special waste that are described in this section. Special waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Consistent with §330.203(a), there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste;
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors;
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit);
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls;
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. The following special waste that do not interfere with site operations will be accepted at this facility:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste on a case by case basis;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate; and

- Non-RACM Incidental amounts of non-regulated asbestos containing materials (Non-RACM) (incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight).
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.
- Construction or Demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics;
- Class 2 Industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination); and
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes, referred to herein as prohibited wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
  - o Class 1 non-hazardous industrial waste;
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
  - Septic tank pumpings;
  - o Grease and grit trap wastes;
  - Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing

any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);

- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- o Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

A Waste Acceptance Plan is included in Part IV, Appendix IV-1.

## 2.2 MEASURES FOR CONTROLLING PROHIBITED WASTES

In order to address the detection and prevention of regulated hazardous wastes as defined in 40 Code of Federal Regulations (CFR) Part 261 and of polychlorinated biphenyls (PCB) waste as defined in 40 CFR Part 761, a Waste Screening Plan (WSP) and exclusion program will be implemented at the transfer station. The purpose of the program is to:

- 1. Prevent the unauthorized entry and disposal of wastes not approved by the rules and regulations of the TCEQ and the facility Permit
- 2. Protect the site operating personnel and customers using the facility
- 3. Maintain regulatory compliance

- 4. Assure that the site and surrounding areas are protected from possible contamination from prohibited wastes
- 5. Provide implementation procedures for the detection and exclusion program.

Procedures to detect and control the receipt of prohibited wastes include:

- 1. Informing facility customers and drivers of incoming hauling vehicles of prohibited wastes by posting one or more signs at the facility entrance listing prohibited wastes
- 2. Providing customers and drivers of incoming hauling vehicles (regular and occasional) with a written list of prohibited wastes
- 3. Training facility personnel:
  - Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste and PCB waste
  - Conducting random inspections of incoming loads in accordance with procedures described in this section
  - Maintaining records of all inspections

Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gate attendant and equipment operators will be trained in inspection procedures for prohibited waste. Supervisors will provide personnel with on-the-job training. Records of employee training on prohibited waste control procedures will be maintained in the site operating record.

If transfer station personnel identify any of the above indicators in an incoming load, then that load will be directed to an area out of the flow of traffic and facility personnel will further assess the load. If the load is determined to contain prohibited waste, then the load will be rejected and directed back to the generator.

#### 2.2.1 Managing of Prohibited Wastes

Known prohibited wastes detected during inspection are returned immediately to the hauler. If the hauler is not available, the waste will be placed in suitable collection bins. An effort is first made to identify the entity that deposited the prohibited wastes and have them return to the site and properly disposed of the waste material. In the event that identification of the source is not possible, the Transfer Station Manager will manage the waste so it is disposed of properly; however, the waste will not be allowed to remain on the site in the collection bins for more than 72 hours.

In the event unauthorized waste is not discovered until after the collection vehicle that delivered it is gone, the site will attempt to segregate the unauthorized waste and manage it properly as directed by the Transfer Station Manager. The site will, if necessary, notify the TCEQ and seek guidance on how to dispose of the waste. Documentation will be included in the site operating record each time unauthorized or prohibited waste is discovered and removed from the site. Site personnel will have a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements.

Unknown wastes undergoing analysis are properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

#### 2.2.2 Load Inspection Procedure

An Equipment Operator in the transfer station will visually inspect all incoming loads. Should any indication of prohibited waste be detected, appropriate personnel will conduct a thorough evaluation of the load. The driver is directed to a load inspection area in an unused area of the tipping floor where the load is discharged from the vehicle. The inspector breaks up the waste pile and inspects the material for any hazardous or prohibited waste. Facility personnel flag suspicious wastes. Known prohibited waste is placed back into the vehicle and the driver is instructed to depart the site. Should any regulated hazardous waste be detected, the entire load will be refused.

Reports of load inspections are completed for each inspected load. The reports include (at a minimum), the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, the contents of the load, the indicators of prohibited waste, and the results of the inspection.

In addition to the above procedure, incoming loads are inspected on a random basis. At a minimum, the transfer station will randomly inspect one percent of all incoming loads (not to be less than one incoming waste vehicle) per day. The driver of a randomly selected load will be notified at the scale house and instructed to proceed to the inspection area of the tipping floor that is out of the flow of normal transfer station traffic. At this point, the operator will visually inspect the contents of the load and document the contents for the type of waste contained. Following any random inspection, documentation of the inspection will be placed in the site's operating record. The documentation will include information such as the date, time, name of inspector(s), transporter/generator information, and waste information.

## 2.3 WASTE ACCEPTANCE RATE

It is anticipated that the transfer station facility daily waste rate will not exceed 1,000 tons per day. An estimate of the amount of waste to be received daily, by waste type, is as follows:

Table 1 -5 Builling of Waste Types		
Weste Type	Estimated Daily	
waste Type	Amount	
MSW	50% to 100%	
C & D	0% to 50%	
Special Wastes	0% to 25%	
Yard Waste	0% to 25%	
Class 2	0% to 25%	
Class 3	0% to 25%	

#### Table IV-3 Summary of Waste Types

These waste amounts are only estimates and are not intended to be a limitation or constraint on the site operations.

## 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

## 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations Tires that are split in half, quartered or shredded, or subject to an agency exception, are allowed to be transported to permitted landfills for disposal.

## 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in \$330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in \$330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

## 3 FACILITY - GENERATED WASTES (30 TAC §330.205)

The only wastes that the transfer station will generate are the contaminated water from the floor wash down process, incidental liquids in the trucks, and the waste in the portable sanitary facilities. The characteristics and approximated constituent concentrations of the waste in the portable sanitary facility will consist of only human waste and approved deodorizing chemicals utilized by an approved portable toiler provider. Portable sanitary facilities will be maintained in accordance with instructions from the providers of such facilities.

Also, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system. At the appropriate times, the owner will engage appropriately-trained contractors for maintenance of that system.

The contaminated water (wastewaters) from incidental liquids in the trucks and the floor wash down process will be managed in accordance with §330.207 as described in Section 4.0 of this Site Operating Plan. The transfer station will maintain documentation in the Site Operating Record indicating that the contaminated water as well as the portable sanitary waste was removed from the facility by a licensed or permitted entity eligible to receive and dispose of such wastes. The facility will not generate sludges, therefore the requirements of §330.205(d) do not apply.

## 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside dual-wall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

## 5 STORAGE REQUIREMENTS (30 TAC §330.209)

Solid waste entering the facility will be stored in the covered TS structure or loaded in transfer trailers. All solid waste will be stored in a manner to prevent fires, ensure safety, prevent and control vectors and odors, and contained to prevent windblown solid waste and litter.

No solid waste loading, storage, or disposal will occur within any easement, buffer zone, or rightof-way that crosses the facility. When necessary, MSW material will be stored onsite for a maximum time not exceed 48 hours, except on holidays and/or weekends, where it will not exceed 72 hours. The volume of MSW stored overnight will not exceed 500 tons. Waste that is stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Tarping of segregated recyclable materials will not be required.

## 6 APPROVED CONTAINERS (30 TAC §330.211)

Solid waste entering the facility is transferred from incoming haul vehicles to the tipping floor. Waste that is placed on the tipping floor will be transferred to transfer trailer vehicles via loading equipment. The transfer trailers will be durable and designed for safe handling and cleaning. The transfer trailers will be equipped with tarps or covers to be used during transport. In addition, the trailers are designed to prevent spillage or leakage during storage, handling, and transport.

The transfer trailers are washed, as necessary, so that they do not constitute a nuisance and to restrict the harborage, feeding, and propagation of vectors.

Reusable containers emptied manually must be capable of being serviced without physical contact with waste.

## 7 CITIZEN'S COLLECTION STATION (30 TAC §330.213)

Since this transfer station will charge all vehicles using the facility, only a small number of small vehicles are anticipated to utilize this facility. In view of the limited number of small vehicles, no citizen's convenience center is proposed for the facility. As such, the requirements of §330.213 do not apply. If a citizen convenience center is deemed necessary to address the needs of small vehicles in the future, a permit modification will be developed and submitted to the TCEQ to address this change.

## 8 REQUIREMENTS FOR STATIONARY COMPACTORS (30 TAC §330.215)

The facility will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.
# 9 PRE-OPERATION NOTICE (30 TAC §330.217)

The facility will not operate a mobile liquid processing unit or perform any type of liquid waste processing; therefore, the requirements of §330.217 do not apply.

#### 10 RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)

A copy of the permit, the approved Permit application, the approved site operating plan, an asbuilt set of construction plans and specifications, and other required plans and related documents will be maintained in the operating record at the facility scale house. These plans and documents will be furnished upon request to TCEQ representatives and made available for inspection at a reasonable time by TCEQ representatives or other interested parties. These plans and documents are part of the facility's operating record and may consist of hard copies or as electronic documents. The operating record will be maintained in an organized format that will allow information to be easily located and retrieved. All information contained within the operating record and the different required plans will be retained during the active life of the facility and until after certification of closure.

The following records will be kept, maintained, and filed as part of the facility operating record. Log books and schedules may be used.

- Access Control Inspection and Maintenance;
- Daily Litter Pickup;
- Windblown Waste and Litter Control Operations;
- Dust Nuisance Control Efforts;
- Access Roadway Regrading;
- Fire Occurrence Notices, if applicable.

In addition to the plans and documents listed above, the information listed in Table IV-4 will be recorded and retained in the operating record. This information will promptly be placed in the operating record.

Records To Be Maintained	Rule Citation
1. All location-restriction demonstrations	§330.219(b)(1)
2. Inspection records and training procedures	§330.219(b)(2)
3. Closure plans and any monitoring, testing, or analytical data relating to closure requirements	§330.219(b)(3)
4. Cost estimates and financial assurance documents relating to financial assurance for closure	§330.219(b)(4)
5. Copies of all correspondence and responses relating to the operation of the facility, modifications to the permit, approvals, and other matters pertaining to technical assistance	§330.219(b)(5)

#### Table IV-4 Operating Record

Records To Be Maintained	Rule Citation
6. Documents, manifests, shipping documents, trip tickets, etc., involving special waste	§330.219(b)(6)
<ol> <li>Other document(s) as specified by the approved Permit or by the executive director</li> </ol>	§330.219(b)(7)
8. Record retention provisions for trip tickets	§330.219(b)(8)
9. Alternative schedules and notification requirements, if applicable	§330.219(g)
10. Inspection records and training procedures relating to fire prevention and facility safety	§330.221
11. Access control breach and repair notices	§330.223
12. Waste unloading/prohibited waste discovery	§330.225
13. Record of alternative operating hours if applicable	§330.229(b)

All reports and other information requested by the executive director will be signed by the owner or operator of the facility as described in 305.44 or by a duly authorized representative of the owner or operator. In accordance with 330.219(c)(1)(A)-(C), a person is a duly authorized representative only if:

- 1. The authorization is made in writing by the owner or operator as described in §305.44(a);
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility or activity or for environmental matters for the owner or operator, such as the position of plant manager, environmental manager, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the executive director of the TCEQ.

The person signing the report will make the certification in accordance §305.44(b).

Additionally, annual reporting shall be submitted to the executive director of the TCEQ in accordance with §330.675(b).

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;

- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

#### 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

# 12 ACCESS CONTROL (30 TAC §330.223)

Fences and gates and other artificial barriers encompassing the entire transfer station facility will control public access to the transfer station. Access will be limited to the gated site entrance on State Highway 24 (SH 24). This site entrance will be secured by a gate that is monitored by site personnel during normal site operating hours. During extended operating hours (nights and weekends), the gate attendant may be replaced with an operator. Outside operating hours, the gates at the entrance and exit will be locked.

#### 12.1 SITE SECURITY

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the transfer station facility is minimized by controlling access with fences and gates and other artificial barriers with the entrance road secured by a locking gate. The perimeter fence will consist of a 6-foot-high chain-link fence, and/or a barbed wire fence (at least three-strand) or a mesh wire.

The site entrance located off of SH 24 will serve the transfer station. This site entrance is secured by a gate, and access to the transfer station is monitored by a site attendant that may consist of a Scale Attendant, Equipment Operator, Laborer or the Transfer Station Manager who will be on site during operating hours. Outside the operating hours, the gates at the entrance and exit will be locked.

Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, authorized users, and properly identified persons whose entry is authorized by site management. 30 TAC §330.223(b) requires safety bumpers at hoppers for vehicles. The transfer station layout does not contain hoppers; therefore, this regulation is not applicable to this facility.

The site's perimeter fencing, artificial barriers and gates will be inspected once weekly for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a third party company will perform repairs, as necessary.

#### 12.2 TRAFFIC CONTROL

Access to the transfer station is limited to the site entrance located off of SH 24. Vehicular traffic to and from the transfer station will utilize this single access road. The site all weather access road will be at least 22-foot wide to accommodate two-way traffic entering and exiting the facility. The site exit onto SH 24 will be controlled by a stop sign. The site entrance/exit location and traffic flow directions are shown on Figure III-1.3. The site entrance/exit road, as well as the internal access roadways are designed for the projected facility traffic and will provide the appropriate width and turning radii for the waste vehicles to prevent a disruption in traffic flow at the facility. Mud and dust will be controlled in accordance with Section 19.0 of this SOP. The gate attendant or other designated employee will restrict site access to designated authorized vehicles and direct these vehicles appropriately. All visitor and employee parking and equipment storage will be located in an area outside of the transfer station traffic flow.

Signs located at the entrance of the transfer station direct solid waste transportation vehicles to the appropriate unloading/loading areas. Site personnel provide traffic directions as necessary to facilitate safe movement of vehicles.

# 13 UNLOADING WASTE (30 TAC §330.225)

Waste authorized to be accepted at the transfer station are described in Section 2.1 of this plan. Once an incoming vehicle's weight has been recorded, the gate attendant will direct the vehicle to the tipping floor area of the transfer station. The gate attendant will inform the hauler that the waste is only to be unloaded in the area where the hauler is directed to unload by site operating personnel. Signs directing traffic from the scale house to the transfer station structure will be located as needed along the route to the transfer station structure. Trained personnel inside the transfer station structure will direct and observe the unloading of waste. The owner or operator is not required to accept any solid waste which he/she determines will cause or may cause problems in maintaining compliance with the TCEQ regulations. Signs directing traffic from the transfer station structure to the exit road will be located as needed along the route from the transfer station structure to the transfer station.

Unloading waste in unauthorized areas will be prohibited. Any waste identified as having been deposited in an unauthorized area will be immediately moved to the tipping area. The trained personnel working inside the transfer station structure will observe each load that is dumped on the tipping floor. The trained personnel have the authority and responsibility to reject unauthorized loads, have the transporter remove unauthorized material. In situations where the transporter does not remove unauthorized material, the transfer station manager will implement procedures as described in Section 2.2.1 of this plan and assess appropriate surcharges. A record of unauthorized material removal will be maintained in the Site Operating Record.

Prohibited waste will not be allowed to enter the transfer structure. The gate attendant will be the first point of contact with the hauler. The hauler will be asked to inform the gate attendant of the content of the load. The gate attendant will visually inspect open containers to verify contents. In the event that prohibited wastes are identified in the load, the entire load will be turned away from the gate and not allowed entrance to the transfer station. In the event that the prohibited waste is not detected in the load until unloading on the tipping floor, the load will be handled as discussed in Section 2.2.1 of this plan.

# 14 SPILL PREVENTION AND CONTROL (30 TAC §330.227)

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) under the transfer station structure roof; therefore, contact of storm water with waste material is limited. A contaminated water management plan and related details for handling contaminated water and clean storm water is included in Part III, Attachment 1, Figures III-1.6, and III-1.7, and Attachment 1, Appendix A, respectively.

## 15 OPERATING HOURS (30 TAC §330.229)

To promote efficient, safe and sanitary operations at the facility, and to prevent any disruption of solid waste management services in the area, the following operating hours will apply:

Waste Acceptance Hours	5:00 a.m. to 6:00 p.m., Monday - 5	Saturday
Heavy Equipment Hours	4:00 a.m. to 7:00 p.m., Monday -	Saturday

General Facility Operations (i.e. floor cleaning, preventative maintenance, office work, janitorial services) 24 hours per day, seven days a week

Disaster or Emergency Hours; Additional Temporary Hours (Regional Office Approval Required – Document in Operating Record)

Alternative Operating Hours; Up to five additional days per annum (Special Occasions, Events, Holidays – Document in Operating Record)

The actual hours and days of operation will be posted on the entrance sign.

Hours of operation beyond the standard operating hours listed in 30 TAC § 330.229(a) are necessary to support the hauling operations that will utilize the facility and to ensure the efficient and timely receipt, processing, and transfer of solid waste for offsite disposal. Hauling operations in the area provide routine collection services on Saturdays and during the early morning hours. Extended hours will assist the owner and operator in properly managing the demand and ensuring compliance with the approved site development and operating plans for the facility. General facility operations will typically occur outside waste acceptance and heavy equipment operating hours to avoid interference with solid waste management activities at the transfer station.

# 16 FACILITY SIGN (30 TAC §330.231)

A conspicuous and readable sign will be displayed at the site entrance off of SH 24. The sign will measure at least 4 feet by 4 feet, and have lettering at least 3 inches in height stating the name of the site, type of site, hours and days of operation, an emergency 24-hour contact phone number(s), the local emergency fire department phone number, and the TCEQ Permit number. Another sign will list all prohibited wastes from receipt at the facility as discussed in this SOP and will be located along the facility entrance road. Other signs stating rules, operating procedures, and warnings will also be posted in this area.

Within the site, signs will be placed along the transfer station access road at an adequate frequency to direct users to the transfer station structure.

Signs prohibiting smoking will be posted near the facility entrance or scale house. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

#### 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter along fence lines, access roads, or surrounding the building will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

# 18 MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)

The transfer station manager will take steps to encourage operators of open-top vehicles hauling waste to the facility to utilize tarpaulins, nets, or other means to effectively secure their loads. In addition to routine checks by the gate attendant, actions such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges or similar measures will be taken to control the spillage of waste en route to the transfer station facility. On days when the facility is in operation, the transfer station manager will be responsible for at least once per day visual inspection along and within the right-of-way of all public access roads serving the facility for a distance of 2 miles in either direction from the entrance to the facility. Cleanup of waste will be based on need, as a result of the daily inspection. The transfer station manager or his designee will consult with TxDOT officials as necessary concerning cleanup of state highways and rights-of-way consistent with 30 TAC §330.235.

# 19 FACILITY ACCESS ROADS (30 TAC §330.237)

The scale house area and entrance/exit road to/from the transfer station facility are designed to be accessible in all weather conditions. The entrance/exit road and all internal facility roadways are surfaced with asphalt, concrete, gravel, crushed rock, or similar materials. The surface condition of these roads will be maintained and repaired regularly to minimize potholes or low spots to promote positive drainage. The surfacing of all site roadways will minimize the tracking of mud and trash onto public roads. Any tracked mud and associated debris that accumulates on facility roadways will be cleaned by washing down, sweeping, or scraping, as necessary, to minimize tracking those materials onto the public roadways. Litter and any other debris will be monitored at least daily, and picked up on an as-needed basis and taken to the transfer station for disposal as discussed in Section 18.0 of this plan.

Fugitive dust emissions will be minimized by the surfacing or watering of all on-site roadways and regular cleaning procedures.

# 20 NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)

The site will be designed to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and adverse visual impacts.

# 21 OVERLOADING AND BREAKDOWN (30 TAC §330.241)

The design capacity of the facility of 1,000 tons per day will not be exceeded. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harboring of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

The maximum volume of waste that will be stored at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor. No storage of waste materials will occur off the tipping floor, other than loaded transfer vehicles waiting to haul waste off-site.

If a significant work stoppage should occur at the facility due to a mechanical breakdown or other causes, the facility will accordingly restrict the receipt of solid waste. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. If waste remains on the tipping floor during these periods, cover tarps will be used to control potential odors, flies and other vectors. The maximum holding time under these circumstances will not exceed 48 hours, except holidays and weekends. During holidays and/ or weekends, waste may be temporarily stored at the facility not to exceed a time period of 72 hours. Waste is generally stored for less than 24 hours.

If the work stoppage is anticipated to last longer than the time periods noted above, steps will be taken to remove the accumulated solid waste from the site to an approved backup processing or disposal facility.

### 22 SANITATION (30 TAC §330.243)

The tipping floor and any other working surface that comes into contact with wastes will be washed down weekly. The slope of the transfer station floor and transfer station operations will prevent wash waters from accumulating, creating odors or an attraction to vectors. As discussed in Section 4, all wash waters will be collected and disposed of in an authorized manner.

# 23 VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)

Ventilation will be provided in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's open design and high ceiling will provide ample passive ventilation. Dust and particulates that may occur in the building will be controlled, as needed, using water sprays, mist systems, or similar methods.

A minimum 50-foot buffer will be provided between the transfer building and the site boundaries to minimize the likelihood of nuisance odors from leaving the boundary of the facility. If, at any time, nuisance odors are found to be passing the facility boundary, the owner or operator will modify waste transfer operations to reduce the time waste is accumulating on the tipping floor. If modified transfer operations do not succeed in abating odors, the owner or operator will employ and properly maintain/operate odor control equipment. If necessary, the facility will suspend operations until the nuisance has been properly abated.

The facility will ensure that the operation of the facility does not violate any applicable requirements of the approved state implementation plan developed under the Federal Clean Air Act, Section 110, as amended, and TAC 330.15(d), which prohibits the burning of waste. Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. Air emissions and odors will be controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. Appropriate authorization under Chapter 116 or Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Station), as applicable, will be obtained prior to operating the transfer station. Reporting emissions events, if applicable, will occur in accordance with 30 TAC §101.201 and reporting scheduled maintenance will occur in accordance with 30 TAC §101.211.

No waste loading, unloading, processing, or disposal will occur outside the building. All liquid and solid waste shall be stored in odor-retaining containers and vessels. A minimum 50-foot buffer will be provided between the transfer building and the site boundaries. The owner's additional measures to prevent and control potential odors being generated and migrating off site include the following:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor
- Draining the contaminated water tank
- Use of cover tarps in the event waste is stored overnight in the transfer station
- The deployment of a deodorizing system at appropriate locations, if necessary.

The site will be graded to prevent the ponding of water in improper locations which are not part of the drainage system. The on-site drainage structures will be maintained to promote positive drainage, thus minimizing any nuisance odors associated with stagnant water.

Washwaters will not be allowed to accumulate on the tipping floor. Washwater will be managed consistent with the procedures outlined in Section 4 of this Site Operating Plan.

# 24 HEALTH AND SAFETY (30 TAC §330.247)

Designed for safety, the transfer station features traffic flow based primarily on safety considerations, including reduced risk from backing up. Transfer station operations are based on a predictable pattern of traffic, tipping and loading. The building's open design and high ceiling eliminates the need for pits, thereby improving visibility. Facility personnel will be trained in accordance with the facility's health and safety plan.

Safety training for all personnel will be provided routinely and will be the responsibility of the transfer station manager. The transfer station manager will enforce safety rules and policies and promptly investigate and report all accidents. Operators will wear personal protective equipment such as hard hats, safety glasses, and dust masks, when appropriate. Fire extinguishers will be available at all times. The transfer station structure will be supplied by an on-site water holding tank. Detailed procedures that comprise the Safety Plan for the facility are discussed below.

#### 24.1 EMERGENCY PREPAREDNESS

Preparedness and preventive measures to minimize both the frequency and severity of accidents and emergency situations threatening human health will be implemented at the facility. These measures will largely depend on the attentiveness and state of readiness of facility personnel. All personnel will undergo in-house training to introduce the measures below.

#### 24.1.1 General Measures

The following general measures will be implemented for the overall facility:

- Employee breaks or rest periods will be provided to minimize employee fatigue factor, improve alertness, and thereby reduce accident potential.
- Access controls will prevent entry of unauthorized personnel.
- Routine equipment preventive maintenance will be provided.
- A management representative will perform regular site inspections.
- Appropriate personnel safety equipment will be maintained on site in good condition.
- Adequate turning area for hauling vehicles will be provided.
- Scavenging will not be allowed and individuals will be required to stay close to their vehicles for their protection.
- Unloading will be restricted to designated areas only.
- Site personnel will be alert for possible prohibited wastes entering site.
- As discussed in Section 2 of this SOP, prohibited wastes will be controlled or contained and removed as necessary.

#### 24.1.2 Measures for the Unloading and Receiving Area

The following measures will be implemented within the unloading/receiving area of the facility:

- Inspect loads as per procedures developed based on guidelines detailed in Section 2.2 of this SOP.
- Observe incoming vehicles for evidence of improper operation, faulty equipment, or other conditions that could be detrimental to the facility personnel or other persons on site.
- Make emergency equipment available and maintain a first-aid kit in the facility.
- Post emergency telephone numbers.
- Display signs warning transporters that hazardous wastes and PCB, radioactive, and other prohibited wastes are not accepted.

#### 24.2 EMERGENCY AND CONTINGENCY PROCEDURES

Emergency and contingency procedures will be implemented at the facility in the event of accidents, or environmentally significant releases of waste or waste constituents to air, soil, surface water or groundwater. These procedures constitute an initial response by facility staff that will be supplemented, as necessary, by outside emergency services. Emergency assistance requests will be handled through conventional means (e.g. calling 911).

The following situation-specific procedures are initially proposed and are subject to revision, as required, based on experience gained with time.

#### 25 EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)

Potable water and sanitary facilities will be provided for all employees and visitors at the scale house. Portable sanitary facilities may be utilized and will be maintained in accordance with instructions from the providers of these facilities. As noted in Section 3, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system.

## 26 DISEASE VECTOR CONTROL

The transfer station is designed to prevent the nuisances that can attract disease vectors such as flies and rodents. The building is designed to allow waste to flow through and not accumulate in the structure. There are no pushwalls behind which waste can accumulate. There is no loading pit, pit scales, elaborate covered drains or electric sumps to keep clean. Never-the-less, an exterminator will be contracted to spray/place traps at the facility twice per year to control vectors. Additional treatments will be scheduled, as appropriate.

# 27 DISPOSAL OF LARGE ITEMS

Bulky and large items arriving at the transfer station will be placed on the tipping floor so as to allow the loader to crush and flatten the items prior to loading into the transfer trailer. Where this is not possible, bulky or large items will be loaded into transfer trailers that have been partially filled to prevent damage to the trailer from impact due to the heavy weight of bulky or large items.

Refrigerators, freezers, air conditioners, and any other items containing chlorinated fluorocarbon (CFC) will be handled in accordance with 40 Code of Federal Regulations §82.156(f)(2). Verification that the refrigerant has been evacuated from the appliance or shipment of appliances from whom the appliance or shipment of appliances is obtained, will be required prior to acceptance of the appliances at the facility. The verification will include a signed statement from whom the appliance or shipment of appliances is obtained, the name and address of the person who recovered the refrigerant, and the date the refrigerant was recovered. Any appliances inadvertently accepted containing refrigerant that has not been extracted or without verification, will be either returned to the generator, be temporarily set aside and refrigerant removed by an individual and/or company certified in refrigerant removal or taken to a certified refrigerant removing company where the refrigerant will be removed prior to processing at the transfer station.

## 28 SALVAGING AND SCAVENGING

Neither the public nor the site personnel will be allowed to salvage and scavenge waste materials delivered to the site for processing. Facility personnel will monitor the facility and use site access controls to prevent scavenging.

#### 29 HANDLING OF INDUSTRIAL WASTES

The facility will not accept Class 1 non-hazardous industrial waste. Class 2 and 3 non-hazardous industrial waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Class 2 industrial waste accepted at the facility will generally consist of plant trash (paper, cardboard, linings, wrappings, paper and/or wooden packaging materials, food waste, uncontaminated wooden materials, and uncontaminated floor sweepings) as defined under 30 TAC §335.508(3) that may be disposed of with regular municipal solid waste. Class 3 non-hazardous industrial wastes will include inert and essentially insoluble industrial solid waste, including materials such as rock, brick, glass, dirt, certain plastics and rubber, etc., that are not readily decomposable as defined in §335.507 (relating to Class 3 Waste Determination).

## 30 FACILITY INSPECTION AND MAINTENANCE

Table IV-6 outlines the inspection and maintenance lists of the facility. The transfer station manager or a designee will perform the tasks. The inspection documentation will be retained in the operating record.

ITEM	TASK	Frequency	
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly	
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	$\begin{array}{c} \text{Daily as specified} \\ \text{S} & \text{in Section 17.0.} \end{array}$	
Waste Spilled on Route to the Facility Inspection and cleanup of waste materials along and within the right-of-way of the public access roads serving the transfer station (i.e., SH 24) at least 2 miles from the facility in Section 1 in Section 1		Daily as specified in Section 18.0.	
Facility Access/Egress Roads	Inspect facility access/egress roads for damage from vehicle traffic or excessive mud accumulation. Maintain as needed. Grading equipment will be used as needed to control or remove mud accumulations from being tracked onto SH 24.	Weekly or more often during wet weather or extended dry weather periods.	
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly	
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily	
Perimeter Swales and Channels	Inspect drainage features to verify that they are functioning as designed (e.g., excess sediment removed, outlet structures intact), as applicable.	Weekly and within 72-hours of a rainfall event of 0.5 inches or more.	

#### **Table IV-6 Facility Inspection and Maintenance List**

#### APPENDIX IV-1 Waste Acceptance Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

#### **SECTION**

#### **PAGE**

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

#### TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

#### 1 INTRODUCTION

This Waste Acceptance Plan (WAP) outlines the acceptance requirements and review and approval process that will be used to accept special waste and industrial waste as defined by TCEQ at the Highway 24 Transfer Station.

The TCEQ solid waste regulations define special waste as a "solid waste or combination of solid wastes that because of its quantity, concentration, physical, chemical or biological properties requires special handling and disposal to protect human health and the environment."

Only those special wastes identified below may be accepted at this facility without prior written approval from the Executive Director and will be handled in accordance with the provisions stated in the rules. Any requests for approval of special waste will be in accordance with Title 30 Texas Administrative Code (TAC) §330.171(b).

- Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
- Pharmaceuticals, contaminated foods, or contaminated beverages, other than those contained in normal household waste;
- Empty containers which have been used for pesticides, insecticides, herbicides, fungicides, or rodenticides will be accepted provided the containers have been triple rinsed, crushed or rendered unusable upon receipt;
- Incidental amounts of non-regulated asbestos-containing material (NRACM). The incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight (annual basis is defined as the latest 4 consecutive quarters);
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.

No special waste will be received at the facility unless it is compatible with the loading equipment operated at the facility or unless modifications are made to the facility to accommodate the special waste.

The facility will not accept the following wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Liquid waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- Certain Special Wastes, including:

- Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
- Class 1 non-hazardous industrial waste;
- o Untreated medical waste;
- Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
- Septic tank pumpings;
- Grease and grit trap wastes;
- Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);
- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

## 2 WASTE ACCEPTANCE

Special wastes listed above, other than the incidental special wastes contained in the waste loads, that are to be received at the transfer station must be preapproved by the landfill that will receive the waste in accordance with the receiving landfill's special waste screening and acceptance procedures. Such special waste evaluation and approval will take place prior to delivery of the waste to the transfer station. Typically, the special waste analyst for the landfill will utilize information provided by the generator (e.g., waste-specific chemical and characteristic information or process knowledge information) to determine the acceptability of a waste for disposal at the landfill. The landfill's special waste analyst will be responsible for maintaining and utilizing current TCEQ guidelines and constituent limits for evaluation of wastes. The landfill's special waste analyst will also be responsible for knowing and applying future changes to regulatory guidelines, review and acceptance procedures. This information will be provided to the appropriately trained transfer station personnel prior to waste acceptance at the transfer station.

Special waste review procedures will include:

- 1. The Special Waste Profile (SWP) must be completely filled out and legible including addresses, contact names, phone numbers and signatures.
- 2. The information must include sufficient information to provide the analyst a clear understanding of the waste's type, origin, shipping method rate of delivery and total amount. If the description is insufficient, additional information will be requested of the generator.
- 3. The physical characteristics of the waste must include information on the chemical and physical properties of the waste sufficient to allow the analyst to identify the waste and correlate the properties to the appropriate TCEQ and Federal regulations. It is important that this, and all portions of the profile, be completely filled out. By signing the profile the generator certifies the information is accurate.
- 4. Site specific evaluation. The landfill's analyst will confirm that each special waste is acceptable in accordance with local, TCEQ and federal regulations as well the transfer station and receiving landfill.
- 5. The landfill's analyst may request additional information from the generator including additional analytical, process description, and Safety Data Sheets (SDS).

When a special waste arrives at the site, transfer station personnel may randomly select samples to visually compare the material presented for acceptance to the approved SWP to confirm that the physical characteristics (color, odor, appearance) of the material matches what is described on the profile. In the event the physical characteristic of the waste differs from the profile, the load will be detained and appropriate personnel called to investigate/evaluate the matter. The generator will be notified. Additional process and chemical analysis may be requested. If the discrepancies cannot be resolved, the load will be rejected.

#### 3 OPERATING PROCEDURES

The transfer station personnel will exercise appropriate care and safeguards when processing special wastes. Only onsite personnel who have received special waste training will be utilized for processing special wastes. Specific handling/disposal procedures are detailed in Table IV-1A for the special wastes that will be processed at the facility.

Transfer trucks containing special waste will provide the required documentation to the receiving landfill concerning the special waste contained within the transfer trailer. The landfill will be responsible to ensure the transferred special waste is disposed of in accordance with the landfill's permit.

# TABLE IV-1A Special Waste Processing Procedures Summary

scs engineers August 2021

# Table IV-1ASpecial Waste Processing Procedures SummaryHighway 24 Transfer Station

Special Waste	Special Handling Procedures
Deceased animals	Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste will be accepted at this facility. This waste may contain some animal remains; however, the facility will not accept bulk quantities of deceased animals or animal remains in a specific shipment or load. All dead animals will be processed upon receipt or covered with a minimum of three feet of solid waste until it is processed into transfer trailers. The tipping floor and loading equipment will be cleansed with antibacterial cleaners at the end of each day when special waste containing deceased animal waste is processed.
Pharmaceuticals and contaminated foods that are not considered controlled substances	These wastes will be processed into transfer trailers promptly upon receipt. Operators will observe unloading and loading of these waste materials to ensure no scavenging or salvaging of waste. The tipping floor and loading equipment will be cleansed with antibacterial cleaners at the end of each day when special waste containing contaminated food waste is processed.
Empty containers, including paper, cardboard and metal, that have been used for pesticides, insecticides, herbicides, fungicides, or rodenticides	These containers will be processed in the transfer station upon receipt. These containers will not be allowed to accumulate on the tipping floor. All containers received will be handled in accordance with Title 30 TAC §330.171. All containers will be triple rinsed prior to arrival. If containers cannot be processed upon receipt they will be crushed with the loader and rendered unusable.
Incidental amounts of non- regulated asbestos-containing material (Non-RACM)	Loads of Non-RACM will be pushed directly to the loader for loading into the transfer trailer. Non-RACM will not be subject to any crushing or compaction by loading equipment that could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility. These procedures will minimize the handling of Non-RACM so that the integrity of the material is maintained.
Waste generated outside the boundaries of Texas that contains any Class 2 and 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any other special waste that is accepted at the facility	This waste will be handled in accordance with the provisions outlined above for the specific type of waste.

# SCS ENGINEERS

September 8, 2021 SCS Project No. 16219083

Ms. Bobbie H. Rogans Business and Program Services Section Waste Permits Division (MC-126) Texas Commission on Environmental Quality 12100 Park 35 Circle, Bldg. F Austin, TX 78753

Re: Proposed Highway 24 Transfer Station – Hunt County, Texas Municipal Solid Waste - Permit Application No. 2411 Administrative Notice of Deficiency Response Tracking No. 26522173; RN111320396/CN605924968

Dear Ms. Rogans:

On behalf of the Transfer Station Solutions, LLC, SCS Engineers has prepared the following response to the Texas Commission on Environmental Quality's (TCEQ's) August 31, 2021 Administrative Notice-of-Deficiency (NOD) letter, related to a permit application for the proposed Highway 24 Transfer Station, TCEQ Permit No. MSW-2411.

For ease of review, we have attached to this response letter your original comment table from your August 31, 2021 NOD letter with the response location and response statements provided in separate columns in the table.

Additionally, attached to this response letter, we have included one original and three (3) additional copies, for use as replacement pages in the permit application. Where possible, we have identified proposed changes from the existing permit application in a redline/strike-out version (i.e., marked version). Additionally, we have included a revision date (September 2021) and revision number (Revision 1) on pages that have been revised as part of this NOD response. Furthermore, we have attached a signed Part 1 Form, and posted this response on the publically accessible internet website.

Lastly, you will note that we have included supplemental revisions to the application for the following:

- Parts I/II were updated for the following:
  - Revised title page and table of contents to include MSW Permit No. 2411 and revision number/date.
  - Revised Table I/II-3.1 (Land Use within a One-Mile Radius) to clarify units in the table;
  - Revised Table I/II-D.1 (Landowners List), to reflect the purchase of Property No. 12 by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, owner and president of Transfer Station Solutions.
  - Revised Section 3.1.5 to reflect the property purchase identified above.
  - Revised Section 3.2.3 to correct number of round trips per day at the facility, consistent with Table I/II-3.4: Facility Generated Traffic.
  - Revised Figure I/II-5 to reflect the property purchase identified above.
  - Updated Appendix I/II-A.3 with a coordination response letter from TxDOT.

Ms. Bobbie H. Rogans September 8, 2021 Page 2

- Part III was updated for the following:
  - Removal of Attachment 1, Appendix A Surface Water Drainage Plan since the design of the facility complies with §330.63(c) and §330.303 (see Part III, Section 2.3.1 and 3.1).
- Part IV was updated for the following:
  - Removal of reference to Attachment 1, Appendix A, as described above.

We trust that our responses will assist you in the completion of your technical review. If you have any questions or need additional information, please do not hesitate to contact Ryan Kuntz, P.E. at (817) 358-6117.

Sincerely,

Andrew Ard, E.I.T. Project Professional SCS Engineers TBPE Registration No. F-3407

Attachments: as described herein

cc: Mr. Josh Bray, Transfer Station Solutions

Ryan Kuntz, P.E. Vice President/Satellite Office Manager SCS Engineers
NOTICE-OF-DEFICIENCY RESPONSE TABLE

#### New Municipal Solid Waste Permit No. 2411 Transfer Station Solutions, LLC – Highway 24 Transfer Station

# Application Deficiencies – Administrative NOD #1

$\mathbf{ID}^{1}$	App. Part	App. Section	Location <sup>2</sup>	Citation	Error Type <sup>3</sup>	Deficiency Description/Resolution	Response Location	Response
A1	Ι	Entirety	Part I		Omitted	Please submit an original and three additional copies of the Notice of Deficiency response documents.	N/A	This submittal will include an original and three additional copies.
A2	Ι	Entirety	Part I		Omitted	Please revise and resubmit New Title Pages and Table of Contents for Parts II, III & IV to include the new <u>MSW Permit No. 2411</u> . Provide a Professional Engineers (P.E.) Seal and revision dates on each individual page.	Parts I/II, III, and IV	This has been completed.
A3	I	Section I	Part I		Omitted	<ul> <li>Please revise and resubmit the Part I Form header section of Page 1 to include the newly proposed <u>MSW</u></li> <li><u>Permit No. 2411</u> with the initial submittal date, revision date and facility name.</li> <li>The revision must be made throughout the entire application.</li> </ul>	revise and resubmit the Part I Form header       Part I Form         ion of Page 1 to include the newly proposed MSW       Part I Form         nit No. 2411       with the initial submittal date,         sion date and facility name.       revision must be made throughout the entire         ication.       revision	
A4	I	Section 12	Part I		Omitted	Please revise Page 3 of the Part I application regarding the General Facility Information, add the newly assigned <u>Regulated Entity Reference No.</u> <u>RN111320396.</u>	Part I Form	This has been completed.
A4	Ι	Section 17	Part I		Omitted	Please revise Page 4 of the Part I application regarding the Facility Contact Information, add the newly assigned <b>Customer Reference No. CN605924968</b> .	Part I Form	This has been completed.
A5	I	Section 20	Part I		Omitted	Please verify and revise City of Campbell Mayor's Name to <b>Terry Trapp</b> .	Part I Form	This was verified and has been completed.
A6	Ι	Section 20	Part I		Omitted	Please verify and revise County Judge's Zip Code as <b><u>75403.</u></b>	Part I Form	This was verified and has been completed.
A7					Omitted	Please resubmit Page 7 of the Part I Application to include the <b><u>name</u></b> of the County Health Authority; if applicable, if not state "not applicable".	Part I Form	This has been completed.
A8		Section 20	Part I		Incorrect	Please verify and revise State Senator's telephone number as (512) 463-0102.	Part I Form	This was verified and has been completed.
A9		Signature Page	Pg. 9	305.44, 270.11	Incomplete	Please resubmit an <b>original</b> signed, sealed and notarized signature page.	Part I Form	This has been completed.

#### New Municipal Solid Waste Permit No. 2411 Transfer Station Solutions, LLC – Highway 24 Transfer Station

ID <sup>1</sup>	App. Part	App. Section	Location <sup>2</sup>	Citation	Error Type <sup>3</sup>	Deficiency Description/Resolution	Response Location	Response
A10	Ι	Appendix I/II-D	Part I		Incorrect	Please resubmit four sets of printed mailing labels for the adjacent landowners list. Each letter in the name and address must be capitalized, contain <b>no punctuation</b> , and the appropriate two-character abbreviation must be used for the state. Names and addresses must be typed in the format required by the U.S. Postal Service for machine readability. The list is to be 30 names, addresses, etc. (10 per column) per page (MS WORD Avery Standard 5160). If an adjacent landowner owns multiple properties, only list the property owner once on the labels. Also, please revise the Adjacent Landowner's Map to show the proper location of Adjacent Landowner's Mr. Rabe and Tracy Brad #17.	Parts I/II, Figure I/II-4	Four sets of updated mailing labels have been included with this response submittal. Additionally, Figure I/II-4 has been revised with the proper label for Mr. Rabe and Tracy Brad, Property ID 17.

<sup>1</sup>Deficiency ID – Key: A#=Administrative deficiency (ex. A12); T#=Technical deficiency (ex. T10); C#=Comment only (ex. C1); Number in parenthesis (*n*) = *n*th instance of same deficiency (ex. T1(2) is the second instance of deficiency T1 originally identified in previous NOD).

<sup>2</sup>Location of deficiency in submittal/application. Items in square brackets [] refer to applicant's supplemental information submitted as attachments to the application form. <sup>3</sup>Possible Error Types, one of: Ambiguous, Incomplete, Inconsistent, Incorrect, Omitted, Typo, or Wrong Format. TCEQ PART 1 FORM FOR NEW PERMIT FOR A MSW FACILITY (TCEQ-0650)

M:\Projects\16219083.00\NODs\Admin NOD, 083121\NOD response\L2021.09.08 TSS, MSW-2411, Administative NOD Response.docx

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #:2411 Initial Submittal Date: 8/12/2021 Revision Date: 9/8/2021

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal					
🗌 Initial Submittal	$\boxtimes$ Notice of Deficiency (NOD) Response					
2. Authorization Type	è					
🛛 Permit	Registration					
3. Application Type						
🛛 New Permit 🗌 Pern	nit Major Amendment 🗌 Permit Major Amendment (Limited Scope)					
New Registration						
4. Application Fees						
Amount						
$\boxtimes$ \$2,050 for Permits a	and Permit Amendments 🛛 🗌 \$150 for Registrations					
Payment Method						
🗌 Check 🛛 Online	through ePay portal <https: epay="" www3.tceq.texas.gov=""></https:>					
If paid online, enter eP	If paid online, enter ePay Trace Number: 582EA000443364					
5. Application URL						
Is the application subm	Is the application submitted for a Type I Arid Exempt (AE) or Type IV AE facility?					
🗌 Yes 🛛 No	🗌 Yes 🛛 No					
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-transfe						

6. Application Publishing						
Party Responsible for Publishing Notice:						
Applicant Agent in Service Consultant						
Contact Name: Ryan Kuntz, P.E. Title: Vice President						
7. Alternative Language Notice						
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste) Yes No						
8. Public Place Location of Application						
Name of the Public Place: Commerce Public Library						
Physical Address: 1210 Park Street						
City: Commerce County: Hunt State: TX Zip Code: 75428						
(Area code) Telephone Number: 903-886-6858						
9. Consolidated Permit Processing						
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?						
□ Yes □ Not Applicable						
If "Yes", state the other TCEQ program authorizations requested:						
10. Confidential Documents						
Does the application contain confidential documents?						
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."						

11. Permits and Construction Approvals					
Permit or Approval	Received	Pending	Not Applicable		
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$		
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$		
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$			
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$		
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$		
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$		
Dredge or Fill Permits under the CWA			$\boxtimes$		
Licenses under the Texas Radiation Control Act			$\boxtimes$		
Other (describe)					
Other (describe)					
Other (describe)					
Other (describe)					

#### 12. General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available): 2411

Regulated Entity Reference No. (if issued)\*: RN111320396

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type	(s)						
🗌 Туре I	🗌 Тур	e IV 🛛 Type V					
🗌 Туре I АЕ	🗌 Type IV AE	Type VI					
14. Activities Cor	nducted at the	Facility					
Storage	Processing						
15. Facility Wast	e Management	: Unit(s)					
Landfill Unit(s)		Incinerator(s)					
Class 1 Landfill	l Unit(s)	Autoclave(s)					
Process Tank(s	5)	Refrigeration Unit(s)					
Storage Tank(s	5)	Mobile Processing Unit(s)					
Tipping Floor		Type VI Demonstration Unit					
Storage Area		Compost Pile(s) and/or Vessel(s)					
Container(s)		Other (specify):					
Roll-off Boxes		Other (specify):					
□ Surface Impoundment □		Other (specify) <b>transfer station</b>					
16. Description o	of Proposed Fac	cility or Changes to Existing Facility					
Provide a brief dea the proposed char amendment	scription of the p nges to an existi	proposed activities if application is for a new facility, or ng facility or permit conditions if the application is for an					
non-hazardous	amenument. non-hazardous waste transfer station						
17. Facility Conta	act Information	n					
Site Operator (P	ermittee/Regi	strant) Name: Transfer Station Solutions, LLC					
Customer Referen	ce No. (if issued	I)*: CN <b>605924968</b>					
Contact Name: Jo	osh Bray	Title: President					
Mailing Address:	P.O. 6427						
City: Paris Count	ty: <b>Lamar</b> State	e: <b>TX</b> Zip Code: <b>75461</b>					
(Area Code) Telep	hone Number: 9	903) 517-6268					
Email Address: jo	oshbray@sudd	enlinkmail.com					
TX Secretary of St	tate (SOS) Filing	Number: 802693685					
*If the Site Operator ( (TCEQ-10400) and sub	Permittee/Registran omit it with this appl	t) does not have this number, complete a TCEQ Core Data Form ication. List the Site Operator (Permittee/Registrant) as the Customer.					

	Operator Name <sup>1</sup> : S	ame as Site Operat	or / Permittee			
	Customer Reference	No. (if issued)*:				
	Contact Name:	Т	ïtle:			
	Mailing Address:					
	City: County	: State:	Zip Code:			
	(Area Code) Telepho	ne Number:				
	Email Address:					
TX SOS Filing Number:						
	<sup>1</sup> If the Operator is the sam *If the Operator does not this application. List the O	he as Site Operator/Permiti have this number, complet perator as the customer.	ee type "Same as "Site Operator (Permittee/Registrant)". e a TCEQ Core Data Form (TCEQ-10400) and submit it with			
	Toyac Board of Drofo	n applicable): SCS	- Desistration Numbers E 2407			
	Texas board of Profe	ssional Engineers Firm	Registration Number: F-3407			
	Contact Name: Ryan Kuntz Title: Vice President Mailing Address: 1901 Central Drive, Suite 550					
	Mailing Address: 19	01 Central Drive, Su	uite 550			
City: Bedford County: Tarrant State: TX Zip Code: 76021						
	(Area Code) Telephone Number: (817) 571-2288					
	E-Mail Address: rkur	ntz@scsengineers.co	om			
	Agent in Service Na	ame (required only	for out-of-state):			
	Mailing Address:					
	City: County	: State:	Zip Code:			
	(Area Code) Telepho	ne Number:				
	E-Mail Address:					
	18. Facility Supervis	sor's License				
	Select the Type of Lic Chapter 30, Occupati facility operations.	cense that the Solid W ional Licenses and Re B	Vaste Facility Supervisor, as defined in 30 TAC gistrations, will obtain prior to commencing			
	10 Our our bin Ci i					
	19. Ownership Stat	us of the Facility				

Corporation	🛛 Limited Partnership	Eederal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
General Partnership	State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: 3737 Lamar Ave.

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

# 20. Other Governmental Entities Information

**Texas Department of Transportation District: Greenville, Texas** District Engineer's Name: James Atkins, II, P.E. Street Address or P.O. Box: 3001 Interstate Hwy 30 E City: Greenville County: Hunt State: Texas Zip Code: 75402 (Area Code) Telephone Number: 903-335-9506 E-Mail Address (optional): James.Atkins@txdot.gov The Local Governmental Authority Responsible for Road Maintenance (if applicable): not applicable SH 24 maintained by TxDOT Contact Person's Name: Street Address or P.O. Box: Zip Code: City: County: State: (Area Code) Telephone Number: E-Mail Address (optional): **City Mayor Information** City Mayor's Name: Terry Trapp Office Address: P.O. Box 27 City: Campbell County: Hunt State: Texas Zip Code: 75422 (Area Code) Telephone Number: 903-862-3191 E-Mail Address (optional): City Health Authority:N.A. Contact Person's Name: Street Address or P.O. Box: City: County: State: Zip Code: (Area Code) Telephone Number: E-Mail Address (optional):

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75403** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Health Department

Contact Person's Name: Dr. Gina Rushing

Street Address or P.O. Box: 2701 Johnson St.

City: Greenville County: Hunt State: Texas Zip Code: 75401

(Area Code) Telephone Number: 903-408-4140

E-Mail Address (optional):

#### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 512-463-0102 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368

E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A						
Contact Person's Name:						
Watershed Sub-Basin Name:						
Street Address or P.O. Box:						
City: County: State: Zip Code:						
(Area Code) Telephone Number:						
E-Mail Address (optional):						
Coastal Management Program Is the facility within the Coastal Management Program boundary?						
U.S. Army Corps of Engineers         The facility is located in the following District of the U.S. Army Corps of Engineers:         Albuquerque, NM       Galveston, TX         Ft. Worth, TX       Tulsa, OK						
Local Government Jurisdiction Within City Limits of: N.A. Within Extraterritorial Jurisdiction of: N.A.						
Is the facility located in an area in which the governing body of the municipality or county has prohibited the storage, processing or disposal of municipal or industrial solid waste?						
If "Yes", provide a copy of the ordinance or order as an attachment.						

#### **Signature Page**

I, <u>Josh Bray</u> , (Site Operator (Permittee/Registrant)'s Authorized Signatory)	<u>President,</u> (Title)
certify under penalty of law that this document and all attachments we my direction or supervision in accordance with a system designed to as personnel properly gather and evaluate the information submitted. Ba the person or persons who manage the system, or those persons direct gathering the information, the information submitted is, to the best of belief, true, accurate, and complete. I am aware there are significant submitting false information, including the possibility of fine and impris- violations	re prepared under soure that qualified sed on my inquiry of tly responsible for my knowledge and penalties for sonment for knowing
Signature:	Date: 9-8-21
·····///······························	·
TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED REPRESENTATIVE FOR THE OPERATOR	) BY AN AUTHORIZED
I, , hereby designate	
(Print or Type Operator Name) (Print or Type Representa	itive Name)
as my representative and hereby authorize said representative to sign submit additional information as may be requested by the Commission me at any hearing or before the Texas Commission on Environmental C with this request for a Texas Water Code or Texas Solid Waste Disposa further understand that I am responsible for the contents of this applic statements given by my authorized representative in support of the ap compliance with the terms and conditions of any permit which might be this application.	any application, ; and/or appear for Quality in conjunction Act permit. I ation, for oral plication, and for e issued based upon
Printed or Typed Name of Operator or Principal Executive Officer	
Signature	
SUBSCRIBED AND SWORN to before me by the said 205h Bran	
On this o day of sept, aval	
My commission expires on the <u>24</u> day of <u>June</u> , <u>2023</u>	
(Note: Application Must Bear Signature & Seal of Notary Public)	
JERI GOLDEN NOTARY PUBLIC STATE OF TEXAS Ligit 128655882 My Commission Expires 06/24/2023	

# **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those appl	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🛛 Fee Payment Receipt	
Confidential Documents	
Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

MARKED

M:\Projects\16219083.00\NODs\Admin NOD, 083121\NOD response\L2021.09.08 TSS, MSW-2411, Administative NOD Response.docx

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-<u>2411</u>

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | September 2021 Revision 1

Applicant's Ex. 1, p. 000952

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 1 – Appendix A Surface Water Drainage Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



# Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations and Amendments

This checklist is designed to provide guidance for the Municipal Solid Waste (MSW) rules found in Title 30 Texas Administrative Code (30 TAC) Chapter 330, for Type I, IV and V registration, permit, and permit amendment applications. Areas of the checklist that are shaded in gray are for information purposes only.

Applicant Information						
Company:	Transfer Station Solut	ions, LLC				
First name:	Josh	Last name	Bray			
Applicant Title:	President		Prefix:	Mr		
Street Address:	P.O. Box 6427					
City:	Paris	State: TX	Zip code:	75461		
Applicant E-Mail:	joshbray@suddenlink	mail.com				
	Co	onsultant Information				
First name:	Ryan	Last name:	Kuntz			
Consultant Title:	Vice President		Prefix:	Mr		
Consultant Firm:	SCS Engineers					
Consultant Address:	1901 Central Drive					
City:	Bedford	State: TX	Zip code:	76021		
Consultant E-Mail:	rkuntz@scsengineers	.com				
	Арр	lication Information				
Facility Name:	Highway 24 Transfer	Station				
Application Date	8/12/2021					
CN:	605924968		MSW ID: 2411			
RN:	111320396	Authorization Type:	Permit			
County:	Hunt	Application Type:	New Permit			

Please fill out application information before selecting and filling out a checklist.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

# TABLE OF CONTENTS

<u>SEC1</u>	<u>ION</u>		<u>PAGE</u>
I.	SUPF	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))	S-1
1	PRO	PERTY AND OWNERSHIP SUMMARY	/  -1
	1.1	Facility Location and History (30 TAC §330.59(b))	1/11-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))	1/11-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))	1/11-1
	1.4	Easements (30 TAC §330.61(c)(10))	1/11-2
	1.5	Legal Authority (30 TAC §330.59(e))	1/11-2
	1.6	Evidence of Competency (30 TAC §330.59(f)	
	1.7	Appointments (30 TAC §330.59(g))	
	1.8	Application Fees (30 TAC §330.59(h))	9/8/2021 I/II-2
	1.9	Application Posting Information (30 TAC §330.57(i))TBPE.Reg. #.F.3407	I/II-2
	1.10	Required Permits/Authorizations (30 TAC §305.45(a)(7))	1/11-3
2	FACI	LITY FEATURES AND WASTE ACCEPTANCE PLAN	/  -5
	2.1	Proposed Permit	1/11-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))	1/11-5
		2.2.1 Waste Types and Generation Areas	1/11-5
		2.2.2 Projected Waste Acceptance Rate	I/II-8
		2.2.3 Population Equivalent	1/11-8
		2.2.4 Waste Storage and Disposal	I/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))	1/11-9
3	EXIS	TING CONDITIONS SUMMARY	I/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))	. I/II-10
		3.1.1 Zoning	I/II-10

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site 1/11-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i)).
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16
	3.4.1	Groundwater ConditionsI/II-16
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-18

# TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

# **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

# DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit



SCS Engineers TBPE Reg. # F-3407

- I/II-1 Site Location Map
- Í/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map

# APPENDICES

**FIGURES** 

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List

# 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

# 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

# 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

# 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in <u>Acres)</u>	Percentage of Total <u>Area</u>
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	126.9	5.4
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1397.5	59.8
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

# 3.1.3 Population and Community Growth Trends

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

# 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

# Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

# 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

# Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

# <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner

and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

# **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

# Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

# Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

# **Cemeteries**

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

# <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

# <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

# Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

# Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area proposed for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

# 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately  $174 \ 370$  round trips per day, as shown in Table I/II-3.4.

	Round Trips per day			
	At Initial Waste Acceptance	At Max Waste Acceptance		
Vehicle Type	Rate (400 tons/day)	Rate (1000 tons/day)		
Haul Trucks	53	107		
Transfer Trailers	17	35		
Citizens with waste in small	10	20		
vehicles				
Transfer Station Operators'	2	4		
Personal Vehicles				
Office Personnel Vehicles	2	4		
Other (Vendors, etc.)	2	4		
Total:	86	174		

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. Based on the findings of this traffic study, there are no existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

# 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

# 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

# 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

# **FIGURES**



Applicant's Ex. 1, p. 000964





Applicant's Ex. 1, p. 000965

# **APPENDIX I/II-A.3**

# **TXDOT CORRESPONDENCE**





3001 Interstate Highway 30 East, Greenville, Tx 75402

September 2, 2021

SCS Engineers Attn: Mr. Kevin D. Yard, P.E. 1901 Central Drive, Ste. 550 Bedford, TX 76021

RE: Confirmation Letter Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Yard:

We are in receipt of your letter dated July 5, 2021 requesting that a letter of confirmation demonstrating coordination with the Texas Department of Transportation (TXDOT) has been obtained. I have reviewed the subject location and proposed traffic impact to the area.

Our office will require Form 1058 (Permit to Construct Access Driveway Facilities on Highway Right of Way) for any driveway reconstruction that may be necessary at this location.

If you need any further information, please contact James Atkins II, P.E at (903) 453-3107.

Sincerely,

James Atkins, P.C. James Atkins II, P.E.

James Atkins II, P.E. Hunt and Rains County Area Engineer

JA Copies: Greenville Area Office District (permits)

THE TEXAS PLAN REDUCE CONGESTION•ENHANCE SAFETY•EXPAND ECONOMIC OPPORTUNITY•IMPROVE AIR QUALITY PRESERVE THE VALUE OF TRANSPORTATION ASSETS

An Equal Opportunity Employer

# **APPENDIX I/II-D**

# LAND OWNERSHIP LIST



#### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 <del>COOPER BLAKE W &amp;</del> <del>TAMBARA D</del> <del>PO BOX 92</del> <del>COMMERCE, TX 75429</del> <u>Brazin Properties LP</u> <u>P O Box 6247</u> <u>1806 S Church</u> <u>Paris, Texas 75461</u>
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422

#### Table I/II – D.1, LANDOWNER'S LIST

19.	ID#25426 WEBB BILLY 4292 FM 1568 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783
22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 RYAN R KUNTZ Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

		TABLE OF CONTENTS
<u>SECT</u>	<u>ION</u>	PAGE
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2) III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4) III-4
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-5
		2.3.3 Protection of Endangered Species §330.63(b)(5)III-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)III-8
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)III-9
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J) III-10
## ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate



SCS Engineers TBPE Reg. # F-3407 A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

## 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation.

## 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The proposed drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6 and Part III, Attachment 1, Appendix A Surface Water Drainage Design.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted water plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

## 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The proposed facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

For additional information on surface water drainage, see Part III, Attachment 1, Appendix A, Surface Water Drainage Plan.

## 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. Tipping floor washdown water will directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a minimum 2,000-gallon contaminated water holding tank.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. A spray nozzle, such as a standard wash-down gun product, will be used to hose down the concrete tipping floor. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

## 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this proposed facility are summarized in the following sections.

## 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area. The Surface Water Drainage Plan for the site is included in Part III, Attachment 1, Appendix A.

## 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021

**Prepared by:** 

## **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details

## **APPENDICES**

Appendix A – Surface Water Drainage Plan



## TYPE V TRANSFER STATION REGISTRATION APPLICATION

### FOR

HIGHWAY 24 TRANSFER STATION REGISTRATION NO. MSW-\_\_\_\_\_ HUNT COUNTY, TEXAS

PART III ATTACHMENT 1 – APPENDIX A SURFACE WATER DRAINAGE PLAN

RYAN R. KUNTZ

## **Frepared** for

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

8/12/2021

**Prepared by:** 

#### SCS ENGINEERS

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision: August 2021 SCS Project No. 16219083



# 1.0 INTRODUCTION

This Surface Water Drainage Plan was prepared as a part of this Type V permit application for me High vay 24 Transfer Station. The surface water drainage design presented in this attachment was prepared consistent with 30 TAC 330.63(c) and 330.303. The facility is not a landfill or compost unit; therefore, a surface water drainage report to satisfy the requirements of 30 TAC, Subchapter G, and 30 TAC 330.63(c)(1) and 330.63(c)(2) is not required.

Drawings provided in this attachment depict the proposed facility layout and drainage plans for the facility. The total area of the facility property (permit boundary) is 5.9 zeres. The facility property is located primarily on undeveloped rangeland consisting of grassed slopes, with the exception of small portions previously disturbed from sand and gravel mining operations.

The facility will be constructed, maintained, and operated to manage stormwater run-on and runoff during the peak discharge of a 25-year rainfall event and prevents the discharge of waste and feedstock material, including, but not limited to, in-process and/op processed materials.

Surface water drainage in and around the facility is controlled to minimize surface water running onto, into, and off the transfer station building. The transfer station structure, entrance road, scale house and scales will be constructed on elevated fill material. Water falling outside the elevated fill material will be directed either around or away from the facility or into on-site culverts. The transfer station structure will be a roofed building. All waste handling procedures will be conducted within the roofed building. Rain vater that falls onto the transfer station building, entrance road, scale house and scales will be graded to flow offsite. All stormwater that flows off the facility property is not contaminated water.

The hydrologic and hydraulic analysis methods used for calculating the rainfall intensity and peak flow rates are described in the following sections of this attachment.

The proposed facility and boundary of the Highway 24 Transfer Station is presented on Figures III-1-A.1, Drainage Plan.

The Highway 24 Transfer Station facility is located outside of the FEMA 100-year floodplain. This is shown in Part I/V, Figure I/II-9, Floodplain Map. Therefore an additional floodplain analysis was not performed for this permit application.

Revision O M:\Projects\16219083.00\Final\Rev. 0\Part III, Att 1 App A.docx |||-1-A-1

scs engineers August 2021

# 2.0 HYDROLOGIC AND HYDRAULIC ANALYSIS

The rational method was utilized to compute the peak 25-year flowrates for the design of all onsite channels and culverts as all these items had maximum drainage areas of less than 200 acres. The peak flowrates were calculated using Texas Department of Transportation (TxDOT) criteria, TxDOT Hydraulic Design Manual, revised September 2019.

The rational method equation is expressed as:

$$Q = C*I*A$$

where:

- Q = Flowrate in orbic feet per second (cfs),
- C = Run-off coefficient,
- I = Rainfall intensity in inches per hour, and
- A = Drainage area in acres.

The run-off coefficients (C) from the TxDOT criteria were selected based on the type of drainage area, and then modified using an area weighted average. The TxDOT criteria coefficients selected are as follows:

- Lawns, heavy soil, flat 2% = 0.1
- Streets, asphaltic = 0.95.

The rainfall intensity (I) from the TXLOT criteria is computed using the following equation:

 $I=b/(t_c/d)^e$ 

where, for Hunt County:

25-Year Storm Event

b = 80.72d = 8.22e = 0.7798

The time of concentration (t<sub>c</sub>), in minutes, was computed by determining the time required for runoff to flow from the most hydraulically remote point in the watershed to the study point and was estimated using the Natural Resource Conservation Services (NRCS) Method equations for speet frow and shallow concentrated flow. The hydraulic characteristics of open channel flow was estimated using Manning's equation. A minimum time of concentration of 10 minutes was tilized.

The True of Concentration is computed using the following formula:

 $T_c = T_{sh}(sheet flow) + T_{sc}(shallow concentrated) + T_{ch}(channel)$ 

where:

 $T_c = Time of Concentration, minutes;$ 

 $T_{sh}$  (sheet flow) = Time of Concentration for Sheet Flow, minutes;

 $T_{sh}$  (sheet flow) =  $[0.007(N_{ol}L_{sh})^{0.8}]/[(P_2)^{0.5}S_{sh}^{0.4}]$ , where:

 $N_{1}$  = overland flow roughness coefficient; grass, short prairie, 0.15 and smooth surfaces (concrete, a phalt, gravel, or bare soil), 0.011.

 $L_{sh} =$  sheet flow length, feet, 100 feet maximum.

 $P_2 = 2$ -year, 24-hour rainfall depth, inches, provided in NOAA Atlas 14 Precipitation Frequency Estimate; 4.20 inches.

 $S_{sh}$  = sheet flow shoe, feet/foot.

T<sub>sc</sub> (shallow channel) = Time of Concentration for Shallow Channel Flow, minutes;

 $T_c$  (shallow concentrated) =  $L_{sc}/(3600 K S_{sc}^{0.5})$ , where:

 $L_{sc} =$  shallow concentrated flow length, feet.

K = 16.13 for unpaved surfaces, 20,32 for paved surfaces.

S<sub>sc</sub>= shallow concentrated flow slope, feet/foot.

 $T_{ch}$  (chaptel) = Time of Concentration for Channel Flow, minutes

 $T_c$  (channel) = (L/V) x 60 sec./min' where:

L = length of channel, feet; and

V = estimated flow velocity of channel using Manning's equation, feet per second.

Two existing 42" culverts have been incorporated into the transfer station facility design. The culverts have been designed with the Pipe Culvert function of the HYDROCALC Hydraulics, Version 2.0.1, computer program. The HYDROCALC program analyzes culverts using the methods and equations described in the Federal Highway Administration report "Hydraulic Design"

of Highway Culverts" (FHWA, 1985).

The culverts are located under the facility entrance road near the entrance gate. Both the inlet and the outlet of the culverts will be mitered at a 3:1 horizontal to vertical slope with a 1.35 pe cent flowline slope. The culverts were designed with corrugated HDPE pipes. A Manning's Roughness Coefficient of 0.012 was utilized for normal depth computations for a smooth corrugated HDPE pipe.

Rock riprap protection has been provided at the outlets of both culverts. Stoke riprap outlet protection was designed utilizing the USDA SCS "Design Outlet Protection From a Round Pipe Flowing Full, Minimum Tailwater Condition" chart. Rip-rap will be composed of a well-graded mixture of stone, sized such that fifty percent of the pieces by weight shall be larger than the calculated size, d<sub>50</sub>, which is 8 inches. The diameter of the largest stop. (d<sub>100</sub>) will be 1.5 times d<sub>50</sub> and the thickness of the pad will be twice d<sub>50</sub>. The minimum approximation will be 22 feet

The location of the culverts is shown on Figure III-1-A.1. Details and typical cross section of the culverts are shown on Figure III-1-A.2. Calculations of the culvert structure is included in Appendix III-1-A-1.

scs engineers August 2021

Highway 24 Transfer Station

APPENDIX III-1-A-1 DRAINAGE CALCULATIONS

scs engineers August 2021

25-Year Post-Development Rational Method Calculations

HIGHWAY 2 HUNT COUN PROJECT NO	4 TK-NSFER STATION ITY, TEX: 5 D.: 1621908: 00												
Constants:													
	2-yr, 24-hr storm depth	4.20	(in), source: Re	ef. B								4% (25-YEAR	2)
						Time of Concen	tration (Ref A)				Rational	Method Dischar	ge (Ref. A)
	Subbasin		Flow	Length	Slope	Surface	Manning's	Overland	Runoff	Trop	Runoff	Rainfall	Discharge
Discharge	ID	Area	Туре			Condition <sup>1</sup>	n <sup>2</sup>	Flow	Velocity	rime	Coeffecient,	Intensity	
Study Point								Coefficient <sup>2</sup>			Weighted <sup>2</sup>		
		(acres)		(ft)	(ft/ft)				/ (S)	(min)	"C"	(in/hr)	(ft <sup>3</sup> /s)
		(				1				. ,		( ) / /	. , ,
			SF	100	0.0200	А		0.011	1.58	1.1			
DP 1	٨	2 3 2	SCF	270	0.0200	U		1,13	2.28	2.0	0.41	8 30	81
DIFI	~	2.52	CF	0							0.41	0.07	0.1
								Time of Concer	ntration $^3$ ; S =	10.0			
	C	1.57	SF	100	0.020	A		0.011	1.58	1.1			
DP-2			1.57	SCF	80	0.0200	U		16.13	2.28	0.6	0.32	8 39
01-2	C	1.57	CF	0							0.52	0.07	4.2
								Time of Concer	ntration <sup>3</sup> ; S =	10.0			
			SF	100	0.0200	E		0.150	0.19	8.6	4		
DP-3	C E E OS-1 and OS-2	111.40	SCF	1165	0.07/2	U		16.13	2.24	8.7	0.15	4.96	82.9
5. 0			CF	2495	0.0077	GL	0.027		4.00	10.4	-		02.17
								n e of Concer	ntration <sup>3</sup> ; S =	27.6			
			SF	1 0	0.0200	А		0.01	1.58	1.1			
DP-4	В	1.36	SCF	65	0.0200	Р		20.33	2.87	0.4	0.47	8.39	5.4
	-		CF	0									
								Time of Concer	ntration S =	10.0			
			SF	100	0.0200	E		0.150	0.19	8.6			
DP-5	D	0.1	SCF	25	0.0200	Р		20.33	2.87	0.1	0.79	8.39	0.8
			CF	0									
								Time of Concer	ntration $^3$ ; S =	10.0			

1) Surface Conditions: A=sheet flow: sm oth surface, paved; E = sheet flow: short grass, prairie; U = shallow concentrated flow, unpaved; P = shallow concentrated flow, paved; and Gue channel flow, grass-lined. 2) Rational method coefficients take arrow Ref. A, below, and then modified based on an area weighted average. 3) Times of concentration less the 10 minutes were taken as T<sub>c</sub> = 10.0 min - see 30 TAC 330.55(b)(5)(A).

4) Flow Types: SF = Sheet Flow, SCF = Shallow Concentrated Flow, and CF = Channel Flow.

References:

A. Texas Department of Transportation (TXDOT), Hydraulic Design Manual, September 2019.

B. NOAA Atland 4 Precipitation Frequency Estimate.

Revision 0

Page 1 of 1

August 2021

#### PIPE CULVERT ANALYSIS COMPUTATION OF CULVERT PERFORMANCE CURVE

July 14, 2021



August 2021

III - 1 - A - 1 - 3

Applicant's Ex. 1, p. 000987

# **Rainfall Intensity-Duration-Frequency Coefficients for Texas**

Based on United States Geological Survey (USGS) Scientific Investigations Report 2004–5041 "Atlas of Depth-Duration Frequency of Precipitation Annual Maxima for Texas"

English 🔽	Coefficient	50% (2-year)	20% (5-year)	10% (10-year)	4% (25-year)	2% (50-year)	1% (100-year)
2. Select or Enter a County		0.8069	0.7973	0.7862	0.7798	0.7756	0.7735
Hunt 🔽	b (in.)	54.58	63.15	71.43	80.72	91.28	102.96
	d (min)	10.04	9.42	5.63	8.22	8.35	8.53
3. Enter a Time of Conc. Select Units	Intensity (in./hr)	4,86	5.93	7.17	8.39	9.56	10.76
			(Spreadsheet R	elease Date: Augu	ust 31, 2015; data	table reshuffle b	by Asquith July 14,

# **Rainfall Intensity-Duration-Frequency Coefficients for Texas**

Based on United States Geological Survey (USGS) Scientific Investigations Report 2004–5041 "Atlas of Depth-Duration Frequency of Precipitation Annual Maxima for Texas"

English 💽	Coefficient	50% (2-year)	20% (5-year)	10% (10-year)	4% (25-year)	2% (50-year)	1% (100-year)
. Select or Enter a County		0.8069	0.7973	0.7862	0.7798	0.7756	0.7735
Hunt 🔽	b (in.)	54.58	63.15	71.43	80.72	91.28	102.96
	d (min)	10.04	9.42	5.63	8.22	8.35	8.53
3. Enter a Time of Conc. Select Units	Intensity (in./hr)	2.92	3.55	4.25	4.96	5.67	6.42
27.0			X				
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; dəta	table reshuffle b	by Asquith July 1
			(Spreadsheat R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; dəta	table reshuffle b	by Asquith July 1
			(Spreadsheat R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; data	table reshuffle b	by Asquith July 1
			(Spreadsheet R	elease Date: Aug	ust 31, 2015; dəta	table reshuffle b	by Asquith July 1



**TTT** \_ 16A

August 2021 Applicant's Ex. 1, p. 000990 Highway 24 Transfer Station

REFERENCE III-1-A-1-7 Revision O SCS ENGINEERS





Figure 4-7. Example application of Kerby-Kirpich method

## Natural Resources Conservation Service (NRCS) Method for Estimating

The <u>NRCS</u> method for estimating  $t_c$  is applicable for small watersheds, in which the majority of flow is overland flow such that timing of the peak flow is not significantly affected by the contribution flow routed through underground storm drain systems. With the NRCS method:

 $t_c = t_{sh} + t_{sc} + t_{ch}$ Equation 4-16.

Where:

 $t_{sh}$  = sheet flow travel time

 $t_{sc}$  = shallow concentrated flow travel time

 $t_{ch}$  = channel flow travel time

NRCS 1986 provides the following descriptions of these flow components:

Sheet flow is flow over plane surfaces, usually occurring in the headwater of streams. With sheet flow, the friction value is an effective roughness coefficient that includes the effect of raindrop impact; drag over the plane surface; obstacles such as litter, cropridges, and rocks; and erosion and transportation of sediment.

Sheet flow usually becomes shallow concentrated flow after around 100 feet.

Open channels are assumed to begin where surveyed cross section information has been obtained, where channel, are visible on aerial photographs, or where blue lines (indicating streams) appear on <u>USGS</u> quadrangle sheets.

For oper channel flow, consider the uniform flow velocity based on bank-full flow conditions. That is, the main channel is flowing full without flow in the overbanks. This assumption avoids the significant iteration associated with rainfall intensity or discharges (because rainfall intensity and scharge are dependent on time of concentration).

August 2021

For conduit flow, in a proposed storm drain system, compute the velocity at uniform depth based on the computed discharge at the upstream. Otherwise, if the conduit is in existence, determine full capacity flow in the conduit, and determine the velocity at capacity flow. You may need to compare this velocity later with the velocity calculated during conduit analysis. If there is a significant difference and the conduit is a relatively large component of the total travel path, recompute the time of concentration using the latter velocity estimate.

If it is determined that a low slope condition or a transitional slope condition exists, the user should consider using an adjusted slope in calculating the time of concentration. See Time of Concentration.

## Sheet Flow Time Calculation

Sheet flow travel time is computed as:

$$t_{sh} = \frac{0.007(n_{ol}L_{sh})^{0.5}}{(P_2)^{0.5}S_{sh}^{0.4}}$$

Equation 4-17.

Where:

 $t_{sh}$  = sheet flow travel time (hr.)

 $n_{ol}$  = overland flow roughness coefficient (provided in Table 4-6)

 $L_{sh}$  = sheet flow length (ft) (10<sup>o</sup> ft. maximum)

 $P_2 = 2$ -year, 24-h rainfall depth (in.) (provided in - <u>NOAA's Precipitation Frequency Data Server</u> for Atlas 14)

 $S_{sh}$  = sheet flow slope (ft/ft)

#### Table 4-6: Overland Flow Roughness Coefficients for Use in NRCS Method in Calculating Sheet Flow Travel Time (NRCS 1986)

	Surface description	n <sub>ol</sub>
Smooth surfaces (cencre	te, asphalt, gravel, or bare soil)	0.011
Fallow (no residue)		0.05
Cultivated soils:	Residue $cover \le 20\%$	0.06
	Residue cover > 20%	017
Grass:	Short grass prairie	0.15
	Dense grasses	0.24
	Bermuda	0.41

August 2021

 Surface description
 nol

 Range (natural):
 0.17

 Woods:
 Light underbrush
 0.40

 Dense underbrush
 0.80

NOTE: 'n' values for overland flows (nol) are not to be used in other channel or floodplain applications.

## **Shallow Concentrated Flow**

Shallow concentrated flow travel time is computed as:

$$t_{sc} = \frac{L_{sc}}{3600KS_{sc}^{0.0}}$$

Equation 4-18.

Where:

 $t_{sc}$  = shallow concentrated flow time (nr.)  $L_{sc}$  = shallow concentrated flow length (ft) K = 16.13 for unpaved surface, 20.32 for paved surface  $S_{sc}$  = shallow concentrated flow slope (ft/ft)

## **Channel Flow**

Channel flow travel time is computed by dividing the channel distance by the flow rate obtained from Manning's equation. This can be written as:

$$t_{ch} = L_{ch} / \left( (3600 \frac{1.49}{n} R^{\frac{2}{3}} S_{ch}^{\frac{1}{2}}) \right)$$

Equation 4-19.

Where:

 $t_{ch}$  = channel flow time (hr.)  $L_{ch}$  = channel flow length (ft)  $S_{ch}$  = channel flow slope (ft/ft) = Manning's roughness coefficient

R = channel hydraulic radius (ft), and is equal to  $\overline{P_w}$ , where: a = cross sectional area (ft<sup>2</sup>) and p. = wetted perimeter (ft), consider the uniform flow velocity based on bank-full flow conditions. That is the main channel is flowing full without flow in the overbanks. This assumption avoids the significant iteration associated with other methods that employ rainfall intensity or discharges (because rainfall intensity and discharge are dependent on time of concentration).

a

## Manning's Rougeness Coefficient Values

Manning's rouginess coefficients are used to calculate flows using Manning's equation. Values from <u>American Society of Civil Engineers</u> (ASCE) 1992, <u>FHWA</u> 2001, and Chow 1959 are reproduced in Table 4-7, Table 4-8, and Table 4-9.

Type of channel	Manning's n
A. Natural streams	
1. Minor streams (top width at flood stage < 100 ft)	
a. Clean, straight, full, no rifts or deep pools	0.025-0.033
b. Same as a, but more stones and weeds	0.030-0.040
c. Clean, winding, some pools and shoals	0.033-0.045
d. Same as c, but some weeds and stones	0.035-0.050
e. Same as d, lower stages, more ineffective	0.040-0.055
f. Same as d, more stones	0.045-0.060
g. Sluggish reaches, weedy, deep pools	0.050-0.080
h. Very weedy, heavy stand of timber and anderbrush	0.075-0.150
i. Mountain streams with gravel and cobbles, few boulders on bottom	0.030-0.050
j. Mountain streams with cobbles and large boulders on bottom	0.040-0.070
2. Floodplains	
a. Pasture, no brush, short grass	0.025-0.035
b. Pasture, no brush, high grass	0.030-0.050
c. Cultivated areas no crop	0.020-0.040
d. Cultivated a eas, mature row crops	0.023-0.045
e. Cultivated areas, mature field crops	0.030-0.050
f. Scattered brush, heavy weeds	0.035-0.070
g. Light brush and trees in winter	0.035-0.060
n. Light brush and trees in summer	0.040-0.080

## Table 4-1: Manning's Roughness Coefficients for Open Channels

Hydraulic Design Manual

TxDOT 09/2019

August 2021

Table 4-7: Manning's Roughness Coefficients for Open Cha	nnels
Type of channel	Manning's n
i. Medium to dense brush in winter	0.045-0.110
j. Medium to dense brush in summer	0.070-1.160
k. Trees, dense willows summer, straight	0.110-0.200
1. Trees, cleared land with tree stumps, no sprouts	0.030-0.050
m. Trees, cleared land with tree stumps, with sprouts	0.050-0.080
n. Trees, heavy stand of timeer, few down trees, flood stage below branches	0.080-0.120
o. Trees, heavy stand of timber, hew down trees, flood stage reaching branches	0.100-0.160
3. Major streams (top width at flood stage > 100 ft)	
a. Regular section with no boulders or bush	0.025-0.060
b. Irregular rough section	0.035-0.100
B. Excavated or dredged channels	
1. Earth, straight and uniform	
a. Clean, recently completed	0.016-0.020
b. Clean, after weathering	0.018-0.025
c. Gravel, uniform section, clean	0.022-0.030
d. With short grass, few weeds	0.022-0.033
2. Earth, winding and sluggish	
a. No vegetation	0.023-0.030
b. Grass, some weeds	0.025-0.033 0.027
c. Deep weeds or aquatic plants in deep channels	0.030-0.040
d. Earth bottom and rubble sides	0.028-0.035
e. Stony bottom and weedy bunks	0.025-0.040
f. Cobble bottom and clean sides	0.030-0.050
g. Winding, sluggish, stony bottom, weedy banks	0.025-0.040
h. Dense weeds as high as flow depth	0.050-0.120
3. Dragline-excavated or dredged	
a. No vegetation	0.025-0.033
b. Light brush on banks	0.035-0.060
4. Pock cuts	

Hydraulic Design Manual

*TxDOT 09/2019* August 2021

Table 4-7: Manning's Roughness Coefficients for Open Cham	nels
Type of channel	Manning's n
a. Smooth and uniform	0.025-0.040
b. Jagged and irregular	0.035-0.050
5. Unmaintained channels	
a. Dense weeds, high as flow depth	0.050-0.120
b. Clean bottom, brush or sides	0.040-0.080
c. Clean bottom, brush on sides, highest stage	0.045-0.110
d. Dense brush, high stage	0.080-0.140
C. Lined channels	
1. Asphalt	0.013-0.016
2. Brick (in cement mortar)	0.012-0.018
3. Concrete	
a. Trowel finish	0.011-0.015
b. Float finish	0.013-0.016
c. Unfinished	0.014-0.020
d. Gunite, regular	0.016-0.023
e. Gunite, wavy	0.018-0.025
4. Riprap (n-value depends on rock size)	0.020-0.035 0.03
5. Vegetal lining	0.030-0.500

Table 4-8: Manning's Coefficients for Streets and Gutters

Type of gutter or pavement	Manning's n
Concrete gutter, troweley finish	0.012
Asphalt pavement: shooth texture	0.013
Asphalt pavement: rough texture	0.016
Concrete gutter with asphalt pavement: smooth texture	0.013
Concrete gutter with asphalt pavement: rough texture	0.015
Concrete pavement: float finish	0.014
Concrete pavement: broom finish	0.016
Table 4-8 note: For gutters with small slope or where sediment may accumulate, i FHWA 2001).	ncrease n values by 0.02 (USDOT,

TxDOT 09/2019

August 2021

Material	Manning's a
As hestos-cement pipe	0.011-0.015
Brick	0.017-0.017
Cast iron pipe	
Cement-lined & seal coated	0.011-0.015
Concrete (monolithic)	
Smooth form	0.012-0.014
Rough forms	0.015-0.017
Concrete pipe	0.011-0.015
Box (smooth)	0.012-0.015
Corrugated-metal pipe (2-1/2 in. x 1/2 in. corrugations)	
Plain	0.022-0.026
Paved invert	0.018-0.022
Spun asphalt lined	0.011-0.015
Plastic pipe (smooth)	0.011-0.015
Corrugated-metal pipe (2-2/3 in. by 1/2 in. annular)	0.022-0.027
Corrugated-metal pipe (2-2/3 in. by 1/2 in. helica)	0.011-0.023
Corrugated-metal pipe (6 in. by 1 in. helical)	0.022-0.025
Corrugated-metal pipe (5 in. by 1 in. helical)	0.025-0.026
Corrugated-metal pipe (3 in. by 1 in. helical	0.027-0.028
Corrugated-metal pipe (6 in. by 2 in. structural plate)	0.033-0.035
Corrugated-metal pipe (9 in. by 2-1/2 m. structural plate)	0.033-0.037
Corrugated polyethylene	0.010-0.013
Smooth	0.009-0.015
Corrugated	0.018-0.025
Spiral rib metal pipe (smorth)	0.012-0.013
Vitrified clay	
Pipes	0.011-0.015
Liner plates	0.013-0.017
Polyvinyl chloride (PVC) (smooth)	0.009-0.011

 Table 4-9: Manning's Roughness Coefficients for Closed Conduits (ASCE 1982, FHWA 2001)

Hydraulic Design Manual

TxDOT 09/2019

August 2021

Table 4-10: Runoff Coefficie	ents for Urban Watersheds
Type of drainage area	Runoff coefficient
Business:	
Downtown areas	0.70-0.95
Neighborhood areas	0.30-0.70
Residential:	
Single-family area	0.30-0.50
Multi-units, detached	0.49-0.60
Multi-units, attached	0.60-0.75
Suburban	0.35-0.40
Apartment dwelling areas	0.30-0.70
Industrial:	
Light areas	0.30-0.80
Heavy areas	0.60-0.90
Parks, cemeteries	0.10-0.25
Playgrounds	0.30-0.40
Railroad yards	0.30-0.40
Unimproved areas:	
Sand or sandy loam soil, 0-3%	0.15-0.20
Sand or sandy loam soil, 3-5%	0.20-0.25
Black or loessial soil, 0-3%	0.18-0.25
Black or loessial soil, 3-5%	0.25-0.30
Black or loessial soil, > 5%	0.70-0.80
Deep sand area	0.05-0.15
Steep grassed slope	0.70
Lawns:	
Sandy soil, hat 2%	0.05-0.10
Sandy soil, average 2-7%	0.10-0.15
Sandy soil, steep 7%	0.15-0.20
leavy soil, flat 2%	0.13-0.17 0.15
Heavy soil, average 2-7%	0.18-0.22

Hydraulic Design Manual

Table 4-10: Runoff Coefficients for Urban Watersheds			
Type of drainage area	Runoff coefficient		
Heavy soil, steep 7%	0.25-0.35		
Streets.			
Asphaltic	0.85-0.95 0.95		
Concrete	0.90-0.95		
Brick	0.70-0 5		
Drives and walks	0.75-0.95		
Roofs	0.75-0.95		

## Rural and Mixed-Use Watershed

Table 4-11 shows an alternate, systematic approach for developing the runoff coefficient. This table applies to rural watersheds only, addressing the watershed as a series of aspects. For each of four aspects, the designer makes a systematic assignment of a runoff coefficient "component." Using Equation 4-22, the four assigned components are added to form an overall runoff coefficient for the specific watershed segment.

The runoff coefficient for rural watersheds is ven by:

 $C = C_r + C_i + C_v + C_s$ Equation 4-22.

## Where:

C = runoff coefficient for rural y atershed

 $C_r$  = component of coefficient accounting for watership relief

 $C_i$  = component of coefficient accounting for soil infiltration

 $C_v$  = component of coefficient accounting for vegetal cover

 $C_s$  = component of coefficient accounting for surface type

The designer selects the most appropriate values for  $C_r$ ,  $C_i$ ,  $C_v$ , and  $C_s$  from Table 4-11.

August 2021

Highway 24 Transfer Station

FIGURES III-1-A-1-17 Revision O SCS ENGINEERS August 2021 M:\Projects\16219083.00\Final\Rev. 0\Part III, Att 1 App A.docx





#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

## FOR

## **HIGHWAY 24 TRANSFER STATION** TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## **PART III - ATTACHMENT 2 CLOSURE PLAN**



**Prepared by:** 

## **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021

817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## **TABLE OF CONTENTS**

#### **SECTION**

## PAGE

1.0	INTRODUCTION	
2.0	CLOSURE REQUIREMENTS	
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	
4.0	POST-CLOSURE CARE REQUIREMENTS	



SCS Engineers TBPE Reg. # F-3407

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

> PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE



**Prepared by:** 

### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## **TABLE OF CONTENTS**

SECTION		PAGE
1.0		III-3-1
2.0	CLOSURE COST ESTIMATE	

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

## **HIGHWAY 24 TRANSFER STATION** TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

## **PART IV – SITE OPERATING PLAN**



**Prepared by:** 

## **SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083
#### **TABLE OF CONTENTS**

<u>SECTION</u>	<u> NC</u>				PAGE
1	INTR	ODUCT	10N		IV-1
	1.1	Gener	al Facility Design		IV-1
	1.2	Gener	al Facility Operation		IV-1
	1.3	Gener	al Facility Personnel		IV-2
		1.3.1	Transfer Station Manager	TE OF TEL	IV-2
		1.3.2	Equipment Operators	RYAN R KUNTZ	IV-2
		1.3.3	Gate Attendants	104689	IV-3
		1.3.4	Laborers	NONAL AND	IV-3 9/8/2021
	1.4	Gener	al Facility Equipment	SC	SEngineers
		1.4.1	Equipment for Emergencies	TB	PE Reg. # F-3407 IV-4
2	WAS	STE ACC	CEPTANCE AND ANALYSIS (30 1	AC §330.203)	IV-5
	2.1	Waste	Sources and Characteristics		IV-5
	2.2	Measu	res for Controlling Prohibited W	astes	IV-7
		2.2.1	Managing of Prohibited Waste	es	IV-8
		2.2.2	Load Inspection Procedure		IV-9
	2.3	Waste	e Acceptance Rate		IV-9
	2.4	Waste	e Storage and Processing Time		IV-10
	2.5	Waste	e Disposal		IV-10
	2.6	Waste	e and Effluent Testing		IV-10
3	FACI	LITY - C	GENERATED WASTES (30 TAC §	330.205)	IV-11
4	CON	ITAMIN	ATED WATER MANAGEMENT (3	0 TAC §330.207)	IV-12
5	STO	RAGE R	EQUIREMENTS (30 TAC §330.2	)9)	IV-13
6	APP	ROVED	CONTAINERS (30 TAC §330.21	1)	IV-14
7	CITIZ	ZEN'S C	OLLECTION STATION (30 TAC §	330.213)	IV-15
8	REQ	UIREME	NTS FOR STATIONARY COMPA	CTORS (30 TAC §330	0.215)IV-16

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Confroi
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227)
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

#### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### **APPENDICES**

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

# 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan (see Attachment 1, Appendix A) that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figures III-1.6 and Part III, Appendix 1, Appendix A – Surface Water Drainage Plan.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside dual-wall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

#### APPENDIX IV-1 Waste Acceptance Plan

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021 **Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

#### **SECTION**

#### PAGE

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

#### TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407 UNMARKED

M:\Projects\16219083.00\NODs\Admin NOD, 083121\NOD response\L2021.09.08 TSS, MSW-2411, Administative NOD Response.docx

## Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-2411

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

## SCS ENGINEERS

SCS Project No. 16219083 | September 2021 Revision 1

Applicant's Ex. 1, p. 001017

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -2411

Type V Transfer Station Permit Application Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 2 - Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407



#### Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations and Amendments

This checklist is designed to provide guidance for the Municipal Solid Waste (MSW) rules found in Title 30 Texas Administrative Code (30 TAC) Chapter 330, for Type I, IV and V registration, permit, and permit amendment applications. Areas of the checklist that are shaded in gray are for information purposes only.

A	Applicant Information		
Transfer Station Solut	ions, LLC		
Josh	Last name	Bray	
President		Prefix:	Mr
P.O. Box 6427			
Paris	State: TX	Zip code:	75461
joshbray@suddenlink	mail.com		
Co	Insultant Information		
Ryan	Last name:	Kuntz	
Vice President		Prefix:	Mr
SCS Engineers			
1901 Central Drive			
Bedford	State: TX	Zip code:	76021
rkuntz@scsengineers	.com		
Арр	lication Information		
Highway 24 Transfer S	Station		
8/12/2021			
605924968		MSW ID: 2411	
111320396	Authorization Type:	Permit	
Hunt	Application Type:	New Permit	
	A Transfer Station Soluti Josh President P.O. Box 6427 Paris joshbray@suddenlinkn Co Ryan Vice President SCS Engineers 1901 Central Drive Bedford rkuntz@scsengineers App Highway 24 Transfer S 8/12/2021 605924968 111320396 Hunt	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentItast nameP.O. Box 6427Itast nameParisState: TXjoshbray@suddenlinkmail.comItast name:Consultant InformationRyanLast name:Vice PresidentItast name:SCS EngineersItast name:1901 Central DriveBedfordBedfordState: TXrkuntz@scsengineers.comItalianApplication InformationHighway 24 Transfer Station8/12/2021Authorization Type:605924968Authorization Type:HuntApplication Type:	Applicant InformationTransfer Station Solutions, LLCJoshLast namePresidentPrefix:P.O. Box 6427Zip code:ParisState: TXZip code:joshbray@suddenlinkmail.comConsultant InformationRyanLast name:KuntzVice PresidentPrefix:SCS EngineersPrefix:1901 Central DrivePrefix:BedfordState: TXZip code:rkuntz@scsengineers.comImage: CommunicationHighway 24 Transfer Station8/12/2021MSW ID:2411111320396Authorization Type:PermitHuntApplication Type:New Permit

Please fill out application information before selecting and filling out a checklist.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PARTS I/II GENERAL APPLICATION REQUIREMENTS

9/8/2021

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

## TABLE OF CONTENTS

<u>SEC</u>	<u>rion</u>		<u>PAGE</u>
I.	SUPI	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))	S-1
1	PRO	PERTY AND OWNERSHIP SUMMARY	l/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))	1/11-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))	1/11-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))	1/11-1
	1.4	Easements (30 TAC §330.61(c)(10))	1/11-2
	1.5	Legal Authority (30 TAC §330.59(e))	1/11-2
	1.6	Evidence of Competency (30 TAC §330.59(f))	
	1.7	Appointments (30 TAC §330.59(g))	1/11-2
	1.8	Application Fees (30 TAC §330.59(h))	) 9/8/2021 I/II-2
	1.9	Application Posting Information (30 TAC §330.57(i))	71/11-2
	1.10	) Required Permits/Authorizations (30 TAC §305.45(a)(7))	1/11-3
2	FAC	ILITY FEATURES AND WASTE ACCEPTANCE PLAN	l/II-5
	2.1	Proposed Permit	1/11-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))	1/11-5
		2.2.1 Waste Types and Generation Areas	1/11-5
		2.2.2 Projected Waste Acceptance Rate	I/II-8
		2.2.3 Population Equivalent	/  -8
		2.2.4 Waste Storage and Disposal	I/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))	1/11-9
3	EXIS	TING CONDITIONS SUMMARY	.I/II-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))	/  -10
		3.1.1 Zoning	.1/11-10

	3.1.2	Character of Surrounding Land UseI/II-10
	3.1.3	Population and Community Growth TrendsI/II-10
	3.1.4	Growth TrendsI/II-11
	3.1.5	Proximity to Residences and Other UsesI/II-11
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13
	3.1.6	Oil/Gas and Water WellsI/II-13
	3.1.7	Prevailing Wind Direction
3.2	Transp	ortation Analysis (30 TAC §330.61(i))
	3.2.1	Site Access
	3.2.2	Traffic Volumes
	3.2.3	Facility Generated Traffic Volumes
	3.2.4	Airport Locations
	3.2.5	TxDOT Correspondence
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))
	3.3.1	Physiography and TopographyI/II-16
	3.3.2	Geologic SettingI/II-16
	3.3.3	On-Site SoilsI/II-16
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16
	3.4.1	Groundwater ConditionsI/II-16
	3.4.2	Surface Water FeaturesI/II-17
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18
	3.5.1	FloodplainsI/II-18
	3.5.2	WetlandsI/II-18
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18
3.7	Site-Sp	ecific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-18

#### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List



SCS Engineers TBPE Reg. # F-3407

## 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

## 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

#### 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

#### 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in Acres)	Percentage of Total Area
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	126.9	5.4
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1397.5	59.8
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

#### 3.1.3 Population and Community Growth Trends

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

#### Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

#### 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

#### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

#### <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary (see Property No. 12 on Figure No. I/II-4). As noted in Appendix I/I-D, Land Ownership List, this property is owned by Brazin Properties, LP, which is wholly owned by Mr. Josh Bray, the owner

and president of Transfer Station Solutions. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### **Churches**

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### **Cemeteries**

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area proposed for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 174 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
	At Initial Waste Acceptance	At Max Waste Acceptance	
Vehicle Type	Rate (400 tons/day)	Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small	10	20	
vehicles			
Transfer Station Operators'	2	4	
Personal Vehicles			
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

Table	I/II-3.4:	Facility	Generated	Traffic
Labic	1/11-0.7.	racinty	Generateu	11 41110

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. Based on the findings of this traffic study, there are no existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

## 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

## **FIGURES**



Applicant's Ex. 1, p. 001029





Applicant's Ex. 1, p. 001030

FOR PERMITTING PURPOSES ONLY

## **APPENDIX I/II-A.3**

#### **TXDOT CORRESPONDENCE**



3001 Interstate Highway 30 East, Greenville, Tx 75402

September 2, 2021

SCS Engineers Attn: Mr. Kevin D. Yard, P.E. 1901 Central Drive, Ste. 550 Bedford, TX 76021

RE: Confirmation Letter Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Yard:

We are in receipt of your letter dated July 5, 2021 requesting that a letter of confirmation demonstrating coordination with the Texas Department of Transportation (TXDOT) has been obtained. I have reviewed the subject location and proposed traffic impact to the area.

Our office will require Form 1058 (Permit to Construct Access Driveway Facilities on Highway Right of Way) for any driveway reconstruction that may be necessary at this location.

If you need any further information, please contact James Atkins II, P.E at (903) 453-3107.

Sincerely,

James Atkins, P.C. James Atkins II, P.E.

James Atkins II, P.E. Hunt and Rains County Area Engineer

JA Copies: Greenville Area Office District (permits)

THE TEXAS PLAN REDUCE CONGESTION•ENHANCE SAFETY•EXPAND ECONOMIC OPPORTUNITY•IMPROVE AIR QUALITY PRESERVE THE VALUE OF TRANSPORTATION ASSETS

An Equal Opportunity Employer

## **APPENDIX I/II-D**

### LAND OWNERSHIP LIST

scs engineers September 2021

#### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 Brazin Properties LP P O Box 6247 1806 S Church Paris, Texas 75461
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 WEBB BILLY 4292 FM 1568 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

#### Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

Note: Property Owner of Property ID#25379 is wholly owned by Mr. Josh Bray, the owner and president of Transfer Station Solutions.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 RYAN R KUNTZ Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

TABLE OF CONTENTS							
<u>SECTION</u>		PAGE					
1.0	INTR	ODUCTION					
	1.1	SITE LOCATION AND HISTORY					
	1.2	LAND USE AND ZONING [§330.63(A)]					
2.0	GEN	ERAL FACILITY DESIGN					
	2.1	FACILITY ACCESS					
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2					
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2					
	2.2 WASTE MOVEMENT §330.63(B)(2)						
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3					
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3					
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)III-3					
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3					
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4					
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4) III-4					
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5					
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-5					
		2.3.3 Protection of Endangered Species §330.63(b)(5)III-6					
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7					
	3.1	DRAINAGE DESIGN §330.63(C)III-7					
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7					
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)III-8					
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8					
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8					
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8					
5.0	CLO	SURE PLAN §330.63(H)III-9					
6.0	COST ESTIMATE FOR CLOSURE §330.63(J) III-10						

#### ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate



SCS Engineers TBPE Reg. # F-3407 A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

#### 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation.

## 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The proposed drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted water plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

#### 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The proposed facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

#### 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. Tipping floor washdown water will directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a minimum 2,000-gallon contaminated water holding tank.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. A spray nozzle, such as a standard wash-down gun product, will be used to hose down the concrete tipping floor. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

scs engineers September 2021

## 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this proposed facility are summarized in the following sections.

## 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area.

## 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407

Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

#### FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details



TBPE Reg. # F-3407

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

#### PART III - ATTACHMENT 2 CLOSURE PLAN



**Prepared by:** 

## SCS ENGINEERS

**Texas Board of Professional Engineers, Reg. No. F-3407** Dallas/Fort Worth Office

1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083
### **TABLE OF CONTENTS**

### **SECTION**

### PAGE

1.0	INTRODUCTION	
2.0	CLOSURE REQUIREMENTS	
3.0	CERTIFICATION OF FINAL FACILITY CLOSURE	
4.0	POST-CLOSURE CARE REQUIREMENTS	



SCS Engineers TBPE Reg. # F-3407

### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE



**Prepared by:** 

### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

### **TABLE OF CONTENTS**

SECTION					
1.0		III-3-1			
2.0	CLOSURE COST ESTIMATE				

### TABLES

Table III-3.1 Closure Cost Estimate

### APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

### **TYPE V TRANSFER STATION PERMIT APPLICATION**

### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART IV - SITE OPERATING PLAN



Prepared by:

### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

### **TABLE OF CONTENTS**

<u>SECTI</u>	<u>ON</u>			PAGE			
1	INTR		<sup>-</sup> ION	IV-1			
	1.1	IV-1					
	1.2	2 General Facility Operation					
	1.3	.3 General Facility Personnel					
		1.3.1	Transfer Station Manager	DE OF TENNEL			
		1.3.2	Equipment Operators	*/ */ IV-2			
		1.3.3	Gate Attendants	104689 IV-3			
		1.3.4	Laborers	V/CENGEV IV-3			
	1.4	Gener	al Facility Equipment	SCS Engineers			
		1.4.1	Equipment for Emergencies	TBPE Reg. # F-3407 IV-4			
2	WA	STE ACO	CEPTANCE AND ANALYSIS (30 TA	√C §330.203)IV-5			
	2.1	2.1 Waste Sources and CharacteristicsIV					
	2.2	Measu	res for Controlling Prohibited Wo	astes IV-7			
		2.2.1	Managing of Prohibited Wastes				
		2.2.2	Load Inspection Procedure	IV-9			
	2.3	Waste	Acceptance Rate				
	2.4	Waste	Storage and Processing Time	IV-10			
	2.5	Waste	> Disposal	IV-10			
	2.6	Waste	and Effluent Testing	IV-10			
3	FAC	ility - C	GENERATED WASTES (30 TAC §3	30.205)IV-11			
4	CON		ATED WATER MANAGEMENT (30	) TAC §330.207)IV-12			
5	STO	RAGE R	EQUIREMENTS (30 TAC §330.20	9)IV-13			
6	APP	ROVED	CONTAINERS (30 TAC §330.211	)IV-14			
7	CITIZ	zen's c	OLLECTION STATION (30 TAC §3	30.213)IV-15			
8	REQ	UIREME	NTS FOR STATIONARY COMPAC	TORS (30 TAC §330.215)IV-16			

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227) TBPE Reg. # F-3407 IV-25
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

scs engineers September 2021

28	SALVAGING AND SCAVENGINGIV-	39
29	HANDLING OF INDUSTRIAL WASTESIV-	40
30	FACILITY INSPECTION AND MAINTENANCEIV-	41

### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

### **APPENDICES**

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

# 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside dual-wall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

### APPENDIX IV-1 Waste Acceptance Plan

### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-2411 HUNT COUNTY, TEXAS

### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 9/8/2021 **Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 Revision 1: September 2021 SCS Project No. 16219083

### **TABLE OF CONTENTS**

### **SECTION**

### <u>PAGE</u>

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

### TABLES

Table IV-1

Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

# Highway 24 Transfer Station Hunt County, Texas TCEQ Permit No. MSW-\_\_\_\_

Prepared for Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

Prepared by:

1901 Central Drive, Suite 550 Bedford, Texas 76021 817.571.2288 TBPE Registration No. F-3407

# SCS ENGINEERS

SCS Project No. 16219083 | August 2021 Revision 0

Highway 24 Transfer Station Hunt County TCEQ Permit No. MSW -\_\_\_\_

Type V Transfer Station Permit Application

Table of Contents

Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations, and Amendments

Parts I/II General Application Requirements

Appendix I/II-A Permit Related Correspondence

Appendix I/II-B Wetlands Determination and Endangered or Threatened Species Assessment

Appendix I/II-C Oil and Water Well Location Summary

Appendix I/II-D Land Ownership List

Part III Site Development Plan

Part III Attachment 1 – General Facility Design Plan

Part III Attachment 1 – Appendix A Surface Water Drainage Plan

Part III Attachment 2 – Closure Plan

Part III Attachment 3 – Closure Cost Estimate

Part IV Site Operating Plan

Appendix IV-1 Waste Acceptance Plan



### Administrative and Technical Review Checklist for Municipal Solid Waste (MSW) Permits, Registrations and Amendments

This checklist is designed to provide guidance for the Municipal Solid Waste (MSW) rules found in Title 30 Texas Administrative Code (30 TAC) Chapter 330, for Type I, IV and V registration, permit, and permit amendment applications. Areas of the checklist that are shaded in gray are for information purposes only.

Applicant Information							
Company:	Transfer Station Solut	ions, LLC					
First name:	Josh	Last name	Bray				
Applicant Title:	President		Prefix:	Mr			
Street Address:	P.O. Box 6427						
City:	Paris	State: TX	Zip code:	75461			
Applicant E-Mail:	joshbray@suddenlink	mail.com					
	Co	onsultant Information					
First name:	Ryan	Last name:	Kuntz				
Consultant Title:	Vice President		Prefix:	Mr			
Consultant Firm:	SCS Engineers						
Consultant Address:	1901 Central Drive						
City:	Bedford	State: TX	Zip code:	76021			
Consultant E-Mail:	rkuntz@scsengineers	.com					
	Арр	lication Information					
Facility Name:	Highway 24 Transfer	Station					
Application Date	8/12/2021		_				
CN:			MSW ID:				
RN:		Authorization Type:	Permit				
County:	Hunt	Application Type:	New Permit				

Please fill out application information before selecting and filling out a checklist.

ID	App. Part	Checklist Item	Item Type	Citation	Complete?	Location	Applicant Comments	Application Area
1	General	Submit all four parts of the permit, permit	Required	330.57(a) & (b)	Yes	Parts I/II, III, and IV		Format-
2	General	Submit TCEQ Part I Form (Form No. 0650)	Required	330.57(c)(1)	Yes	Parts I/II		Forms
8	General	Part II of the application contains location and	Informational	330.57(c)(2)		-		Format-
9	General	Part III of the application contains design	Informational	330.57(c)(3)		-		Format-
10	General	Part IV of the application contains the site operating plan	Informational	330.57(c)(4)		-		Format- Application
11	General	The application should address all aspects of application and design requirements, even to show why not applicable (N/A)	Informational	330.57(d)		-		Format- Application
12	General	Submit data of sufficient completeness, accuracy and clarity	Required	330.57(d)	Yes	Parts I/II, III, and IV		Format- Application
13	General	Failure to provide complete information may be cause for ED to return application.	Informational	330.57(d)		-		Format- Application
14	General	and 3 copies)	Required	330.57(e)	Yes	Parts I/II, III, and IV		Application
15	General	Provide 4 copies for NOD Responses including 1 copy with marked revisions (redline/strikeout)	Required	330.57(g)(6)	Yes	NA		Format- Application
16	General	Application must be prepared in accordance with Texas Occupations Code, Texas Engineering Practice Act, Chapter 1001 and Texas Geoscience Practice Act, Chapter 1002	Informational	330.57(f)		-		Format- Application
17	General	Provide a PE signature, seal and date on the title page of each bound engineering report or individual engineering plan, and on each engineering drawing	Required	330.57(f)(1)	Yes	Parts I/II, and III		Format- Application
18	General	Provide PG sign, seal, & date for applicable items	Required	330.57(f)(2)	Yes	Parts I/II		Format- Application
19	General	Applications that are not sealed are incomplete and shall be returned	Informational	330.57(f)(3)		-		Format- Application
20	General	Submit the application in three ring-binders	Required	330.57(g)(1)	Yes	Parts I/II, III, and IV		Format- Application
21	General	Submit Title Page with Name, Application No., Site Operator Name, Operator Name (if applicable), Location, Date Prepared and Revision Date(s)	Required	330.57(g)(2)	Yes	Parts I/II, III, and IV		Format- Application
22	General	Provide Table of Contents with PE seal	Required	330.57(g)(3)	Yes	Parts I/II		Format- Application
23	General	Use 8.5x11 inch or 11x17 paper (folded to 8.5x11 inch)	Required	330.57(g)(4)	Yes	Parts I/II, III, and IV		Format- Application
24	General	Provide pages with date (original and revised) and sequential page numbers	Required	330.57(g)(5)	Yes	Parts I/II, III, and IV		Format- Application
25	General	Provide legible drawings/maps	Required	330.57(h)(1)	Yes	Parts I/II, and III		Format- Maps/Drawing s
26	General	Provide color coding on all figures and drawings that is legible and distinct after copying in black & white	Required	330.57(h)(2)	Yes	Parts I/II, and III		Format- Maps/Drawing s
27	General	Provide a standard engineering scale on each figure or drawing	Required	330.57(h)(3)	Yes	Parts I/II, and III		Format- Maps/Drawing s
28	General	Provide a dated title block on each figure or drawing	Required	330.57(h)(4)(A)	Yes	Parts I/II, and III		Format- Maps/Drawing
29	General	Provide a bar scale at least 1 inch on all figures and drawings	Required	330.57(h)(4)(B)	Yes	Parts I/II, and III		Format- Maps/Drawing s
30	General	Provide a revision block on all figures and drawings	Required	330.57(h)(4)(C)	Yes	Parts I/II, and III		Format- Maps/Drawing s

31	General	Provide a PE or PG seal ,if required, on all figures and drawings	Required	330.57(h)(4)(D)	Yes	Parts I/II, and III	
32	General	Include drawing number and a page number on each drawing and figure	Required	330.57(h)(4)(E)	Yes	Parts I/II, and III	
33	General	Include a north arrow on each map or plan drawing	Required	330.57(h)(5)(A)	Yes	Parts I/II, and III	
34	General	Include a reference to base map & date of most current base map used, if the map is based upon another map	Required	330.57(h)(5)(B)	Yes	Parts I/II, and III	
35	General	Include a legend on each map or plan drawing	Required	330.57(h)(5)(C)	Yes	Parts I/II, and III	
36	General	Provide match lines and section lines that reference the drawing where the match or section is shown.	Required	330.57(h)(6)	Yes	NA	
45	General	Acknowledge that the construction and operation of the waste management facility shall comply with Subchapter U of 30 TAC Chapter 330 (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Stations) or other approved air authorizations. Owners or operators of these types of facilities should consult with the Air Permits Division on or before the date that the municipal solid waste application is filed with the executive director	Acknowledgement	330.55(a)	Yes	Yes	
46	General	Acknowledge that all liquids resulting from the operation of solid waste facilities shall be disposed of in a manner that will not cause surface water or groundwater pollution. Facilities shall provide for the treatment of wastewaters resulting from waste management activities and from cleaning and washing. Owners or operators shall ensure that storm water and wastewater management is in compliance with the regulations of the commission	Acknowledgement	330.55(a)	Yes	Yes	
49	General	It is the responsibility of an owner or operator to possess or acquire a sufficient interest in or right to the use of the surface estate of the property for which a permit is issued, including the access route. The granting of a permit does neither convey any property rights or interest in either real or personal property; nor does it authorize any injury to private property, invasion of personal rights, or impairment of previous contract rights; nor any infringement of federal, state, or local laws or regulations outside the scope of the authority under which a permit is issued	Informational	330.67(a)			
51	General	Executive director approval or a permit will be required if any on-site operations subsequent to closure of a landfill facility involve disturbing the cover or liner of the landfill.	Informational	330.67(c)			
52	General	It is the responsibility of an owner or operator to obtain any permits or approvals that may be required by local agencies such as for building construction, discharge of uncontaminated waters into ditches under control of a drainage district, discharge of effluent into a local sanitary sewer system, etc.	Informational	330.67(d)			

Format-
Maps/Drawing
s Format-
Maps/Drawing
S S
Format-
Maps/Drawing
S Format-
Mans/Drawing
S
Format-
Maps/Drawing
S
Format-
maps/Drawing
8
Other
Other
Authorizations
Othor
Authorizations
Autionzations
General
Information
General
Information
General
Information

58	General	If at any time during the life of the facility the owner or operator becomes aware of any condition in the permit or registration that necessitates a change to accommodate new technology or improved methods or that makes it impractical to keep the facility in compliance, the owner or operator shall submit to the executive director requested changes to the permit or registration in accordance with 30 TAC §305.62 or §305.70 and must be approved prior to their implementation	Informational	330.73(a)			
60	General	The owner or operator shall obtain and submit certification by a Texas-licensed professional engineer that the facility has been constructed as designed in accordance with the issued registration or permit and in general compliance with the regulations prior to initial operation. The owner or operator shall maintain that certification on site for inspection	Informational	330.73(d)			
61	General	After all initial construction activity has been completed and prior to accepting any solid waste, the owner or operator shall contact the executive director and region office in writing and request a pre-opening inspection. A pre- opening inspection shall be conducted by the executive director within 14 days of notification by the owner or operator that all construction activities have been completed, accompanied by representatives of the owner or operator and the engineer	Informational	330.73(e)			
62	General	The MSW facility shall not accept solid waste until the executive director has confirmed in writing that all applicable submissions required by the permit or registration and this chapter have been received and found to be acceptable, and that construction is in compliance with the permit or registration and the approved site development plan. If the executive director has not provided a written or verbal response within 14 days of completion of the pre-opening inspection, the facility shall be considered approved for acceptance of waste	Informational	330.73(f)			
63	General	Identify if the Regulated Entity or Customer has any delinquent fees	Required	330.59(h), 330.671, 330.675	Yes	NA	
64	Part I	Provide a copy of the application, including all revisions and supplements on a publicly accessible Web site	Required in Part I Form	330.57(i)(1)			
65	Part I	Provide the commission with the Web address link for the application materials	Required in Part I Form	330.57(i)(1)			
66	Part I	Signature Page must have signature and notarization	Required in Part I Form	330.59(a)(1)			
67	Part I	Applicant's name, mailing address & phone no.	Required in Part I Form	330.59(a)(1)			_
68	Part I	Description of the nature of the business	Required in Part I Form	330.59(a)(1)			
69	Part I	Activities that require a permit (conducted at the facility)	Required in Part I Form	330.59(a)(1)			
70	Part I	Location description, facility name & mailing address	Required in Part I Form	330.59(b)(1); 305.45(a)(1)			
71	Part I	Access routes	Required in Part I Form	330.59(b)(2)			
72	Part I	Lat. & Long. of the facility	Required in Part I Form	330.59(b)(3)			
73	Part I	Lat. & Long. depicted	Required in Part I Form	330.59(c)(1)(A)			
74	Part I	All maps should show the facility location	Required in Part I Form	305.45(a)(6)			

General Information
General Information
General Information
General Information
Delinquent Fees
Part I Form
1 41 1 1 01 111

76	Part I	All maps should show other structures or locations regarding the regulated facility and associated activities	Required in Part I Form	305.45(a)(6)		
77	Part I	At least one map with a scale not less than 1 inch = 1 mile	Required in Part I Form	305.45(a)(6)		
78	Part I	Permit/Registration boundary and 1 mile	Required in Part I Form	330.59(c)(1)(B)		
79	Dort I	Wolls, springs, surface water bodies	Poquirod in Part I Form	305.45(2)(6)(A)		
15	ratti	Character of adjacent land including public	Required in Fart Form	505.45(a)(0)(A)		
80	Part I	roads, towns, development as residential, commercial, agricultural, etc.	Required in Part I Form	305.45(a)(6)(B)		
81	Part I	Location of any waste disposal activities conducted on the tract but not included in the application	Required in Part I Form	305.45(a)(6)(C)		
82	Part I	General location map, TXDOT, scale of $\frac{1}{2}$ inch = 1 mile and most current map used	Required in Part I Form	330.59(c)(2)		
83	Part I	Land Ownership Map, within ¼ mile & mineral interest ownership	Required in Part I Form	330.59(c)(3)(A)		
84	Part I	Land Ownership List both in hardcopy and electronic form (alternatively pre-printed mailing labels)	Required in Part I Form	330.59(c)(3)(B)		
85	Part I	Legal description of property or other documentation of ownership	Required in Part I Form	330.59(d)(1)(A)		
86	Part I	If Platted; plat record with county, book, page number and acreage information	Required in Part I Form	330.59(d)(1)(B)		
87	Part I	Signed, sealed and dated surveyed metes and bounds description of the facility	Required in Part I Form	330.59(d)(1)(C)		
88	Part I	Signed & sealed metes & bounds drawing	Required in Part I Form	330,59(d)(1)(D)		
89	Part I	Signed property owner affidavit	Required in Part I Form	330 59(d)(2)		
90	Part I	Acknowledge that State may hold owner	Required in Part I Form	330.59(d)(2)(A)		
92	Part I	Acknowledge that the owner & State shall have access during life of the facility and during	Required in Part I Form	330.59(d)(2)(C)		
94	Part I	Verified legal status of applicant and list of persons with 20% or more ownership in the facility	Required in Part I Form	330.59(e)		
95	Part I	Ownership status as federal, state, private, public, or other	Required in Part I Form	305.45(a)(2)		
96	Part I	List of all Texas solid waste sites that the owner or operator has owned or operated within the last ten years. The site name, site type, permit or registration number, county, and dates of operation shall also be submitted.	Required in Part I Form	330.59(f)(1)		
97	Part I	List of all solid waste sites in all states, territories, or countries in which the owner or operator has a direct financial interest. The type of site shall be identified by location, operating dates, name, and address of the regulatory agency, and the name under which the site was operated.	Required in Part I Form	330.59(f)(2)		
98	Part I	Shall employ a licensed solid waste facility supervisor before operating	Required in Part I Form	330.59(f)(3)		
99	Part I	Names of principals & supervisors owner or operators organization together with previous affiliations with other organizations involved with solid waste activities	Required in Part I Form	330.59(f)(4)		
101	Part I	Signatory meets 305.44, documentation of delegated signatory authority	Required in Part I Form	330.59(g)		
102	Part I	Corporations – signed by a corporate officer	Required in Part I Form			
103	Part I	Partnership or proprietorship –signed by a general partner or proprieto1	Required in Part I Form			
104	Part I	Municipality, public agency –signed by an executive officer or elected official	Required in Part I Form			
105	Part I	Signatory certification statement	Required in Part I Form			

Part I Form
Part I Form
 Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form
Part I Form

106	Part I	Hazardous Waste Management	Required in Part I Form	305.45(a)(7)(A)			
107	Part I	Underground Injection Control	Required in Part I Form	305.45(a)(7)(B)			
108	Part I	NPDES	Required in Part I Form	305.45(a)(7)(C)			
109	Part I	Prevention of Significant Deterioration	Required in Part I Form	305.45(a)(7)(D)			
110	Part I	Nonattainment Program	Required in Part I Form	305.45(a)(7)(E)			
111	Part I	NESHAPS	Required in Part I Form	305.45(a)(7)(F)			
112	Part I	Ocean dumping permit	Required in Part I Form	305.45(a)(7)(G)			
113	Part I	Dredge & fill permit	Required in Part I Form	305.45(a)(7)(H)			
114	Part I	Licenses under the TRCA	Required in Part I Form	305.45(a)(7)(I)			
115	Part I	Other environmental permits	Required in Part I Form	305.45(a)(7)(K)			
116	Part I	Permit Application Fee is \$2050.00	Required in Part I Form	THSC 361.0675			
117	Part I	Permits Section, if paid by check.	Required in Part I Form	330.59(h)(1)			
118	Part I	Prepared by PE, PG, or qualified person	Required in Part I Form	330.57(f)			
119	Part I	Description of facility & systems	Required in Part I Form	305.45(a)(8)(A)			
120	Part I	Volume, average & max rate of disposal for each place of disposal	Required in Part I Form	305.45(a)(8)(B)(i)			
121	Part I	Physical, chemical, thermal, organic, bacteriological, radiological properties of waste	Required in Part I Form	305.45(a)(8)(B)(ii)			
122	Part I	Other reasonable information	Required in Part I Form	305.45(a)(8)(C)			
123	Part II	Provide the sources and characteristics of all waste to be accepted.	Required	330.61(b)(1)	Yes	Section 2.2	
124	Part II	Specify parametric limitations of each type of waste to be managed by the facility	Required	330.61(b)(1)	Yes	Section 2.2	
125	Part II	Provide a brief description of the general sources and generation areas contributing wastes to the facility. This description shall include an estimate of the population or population equivalent served by the facility	Required	330.61(b)(1)(A)	Yes	Section 2.2	
126	Part II	Provide a descriptive narrative that describes the percentage of incoming waste that must be recovered and its intended use	Required if Requested	330.61(b)(1)(A)	Yes	NA	
127	Part II	Provide the maximum amount of solid waste to be received daily and annually projected for five years. Provide the maximum amount of solid waste to be stored and the maximum and average lengths of time that solid waste is to remain at the facility. Provide the intended destination of the solid waste received at this facility.	Required	330.61(b)(1)(B)	Yes	Section 2.2.4	
130	Part II	Provide any site specific conditions that require special design considerations & possible mitigation of conditions identified under sections (h) – (o)	Required	330.61(a)	Yes	Section 3.7	
131	Part II	Provide information regarding the likely impacts of the facility on cities, communities, groups of property owners, or individuals.	Required	330.61(h)	Yes	Section 3.1	
132	Part II	Provide information on the compatibility of the facility with surrounding land use, zoning in the vicinity, community growth patterns, and other factors associated with the public interest.	Required	330.61(h)	Yes	Section 3.1	
133	Part II	Provide information on the character of surrounding land use within one mile	Required	330.61(h)(2)	Yes	Section 3.1.2	
134	Part II	Provide information about the growth trends within five miles & directions of development	Required	330.61(h)(3)	Yes	Section 3.1.3 and 3.1.4	
135	Part II	Indicate the proximity to residences & items listed in 330.61(c)(4) & (12), ~ no. of residences & commercial establishments including direct & distance to nearest, population density, all within one mile.	Required	330.61(h)(4)	Yes	Section 3.1.5	

Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	
Part I FormPart I FormP	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Vaste Acceptance Plan Existing Conditions Existing Conditions Existing Conditions Existing Conditions	Part I Form
Part I Form Vaste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Kaste Acceptance Kaste Acceptance Kaste Acceptance Kaste Acceptance Plan Kaste Accep	Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	 Part I Form
Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Existing Conditions	Part I Form
Part I FormPart I FormWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanFacility ImpactFacility ImpactExistingConditionsExistingConditionsExistingConditionsExistingConditions	Part I Form
Part I Form Part I Form Part I Form Part I Form Part I Form Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Part I FormPart I FormPart I FormPart I FormWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting ConditionsExisting Conditions	Part I Form
Part I FormPart I FormPart I FormWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanWasteAcceptancePlanStatisticFacility ImpactFacility ImpactExistingConditionsExistingConditionsExistingConditionsExistingConditionsExistingConditions	Part I Form
Part I FormPart I FormWaste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting ConditionsExisting ConditionsExisting Conditions	Part I Form
Part I Form Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Existing Conditions	Part I Form
Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	 Part I Form
Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Waste Acceptance Plan Facility Impact Facility Impact Facility Impact Facility Impact Existing Conditions Existing Conditions	 Waste
Final       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Facility Impact       Facility Impact         Facility Impact       Existing         Conditions       Existing         Conditions       Existing         Existing       Conditions	Acceptance
Acceptance       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Kaste         Acceptance       Plan         Facility Impact       Facility Impact         Facility Impact       Existing         Conditions       Existing         Conditions       Existing         Existing       Conditions	Waste
Waste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanWaste Acceptance PlanFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting Conditions	Acceptance Plan
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	X47
Interprete       Plan         Waste       Acceptance         Plan       Waste         Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Facility Impact       Existing         Conditions       Existing         Conditions       Existing         Conditions       Existing	Accentance
Waste         Acceptance         Plan         Waste         Acceptance         Plan         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions	Plan
Acceptance       Plan         Waste       Acceptance         Plan       Facility Impact         Facility Impact       Facility Impact         Facility Impact       Existing         Conditions       Existing         Conditions       Existing         Conditions       Existing         Existing       Conditions	Waste
Waste Acceptance PlanFacility ImpactFacility ImpactFacility ImpactFacility ImpactExisting ConditionsExisting ConditionsExisting ConditionsExisting Conditions	Acceptance Plan
Facility Impact         Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Waste Acceptance Plan
Facility Impact         Facility Impact         Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Facility Impact         Existing         Conditions         Existing         Conditions         Existing         Conditions         Existing         Conditions	Facility Impact
Existing Conditions Existing Conditions Existing Conditions	Facility Impact
Existing Conditions Existing Conditions	 Existing Conditions
Existing Conditions	 Existing Conditions
1	Existing Conditions

136	Part II	Indicate all wells and the well density within 500 ft.	Required	330.61(h)(5)	Yes	Section 3.1.6 and Appendix I/II-C		Existing Conditions
137	Part II	Provide any other information requested by the ED	Required	330.61(h)(6)	Yes	NA	No other information requested by the ED.	Existing Conditions
138	Part II	Provide data on availability & adequacy of access roads	Required	330.61(i)(1)	Yes	Section 3.2.1		Transportation
139	Part II	Provide the existing & expected traffic volumes on access roads within one mile of the facility during the expected life of the facility	Required	330.61(i)(2)	Yes	Section 3.2.2		Transportation
140	Part II	Provide an estimate of traffic volume generated by the facility on access roads within one mile of the facility	Required	330.61(i)(3)	Yes	Section 3.2.3		Transportation
141	Part II	Provide documentation of coordination for roadway improvements and documentation of coordination with TXDOT for traffic and location restrictions	Required	330.61(i)(4)	Yes	Appendix I/II-A.3		Transportation
146	Part II	Provide notice to the airport & the FAA for MSW units within 6 miles of a small airport or within 5 miles of a large commercial airport.	Required	330.545(b)	Yes	NA	330.545(b) is not applicable for transfer stations	Transportation
148	Part II	Discuss in general terms the geology and soils of the proposed site	Required	330.61(j)(1)	Yes	Section 3.3		Geology
152	Part II	Provide data on site specific groundwater conditions	Required	330.61(k)(1)	Yes	Section 3.4.1		Groundwater and Surface Water
153	Part II	Provide data on surface water at or near the site	Required	330.61(k)(2)	Yes	Section 3.4.2		Groundwater and Surface Water
154	Part II	Provide information on how facility will comply with applicable Texas Pollutant Discharge Elimination System (TPDES) storm water permitting requirements and the Clean Water Act, §402, as amended This may include the information requires by 30 TAC 330.61(k)(3)(A) & (B)	Required	330.61(k)(3)	Yes	Section 3.4.3		Groundwater and Surface Water
155	Part II	As applicable, provide a certification statement indicating the owner/operator will obtain the appropriate TPDES permit coverage when required	Required	330.61(k)(3)(A)	Yes	Section 3.4.3		Groundwater and Surface Water
156	Part II	As applicable, provide a copy of permit number under an individual wastewater permit	Required	330.61(k)(3)(B)	Yes	NA		Groundwater and Surface Water
157	Part II	Provide the location of any water wells.	Required	330.61(l)(1)	Yes	Appendix I/II-C		Abandoned Oil and Water Wells
158	Part II	All water supply wells must be outside monitoring system or approved in the permit	Informational	330.61(l)(1)		-		Abandoned Oil and Water Wells
160	Part II	Provide the location of oil & gas wells production wells may remain if identified & don't disrupt operations	Required	330.61(l)(2)	Yes	Section 3.1.6 and Appendix I/II-C		Abandoned Oil and Water Wells
161	Part II	Production wells may remain if identified & they do not disrupt facility operations	Informational	330.61(l)(2)		-		Abandoned Oil and Water Wells
162	Part II	Indicate if the facility is within the 100yr floodplain. If facility within a floodplain see location restrictions in 30 TAC Chapter 330 Subchapter M	Required	330.61(m)(1)	Yes	Section 3.5.1		Floodplains and Wetlands
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6		Endangered Species

_							
165	Part II	Acknowledge that the construction and operation of the facility shall not result in the destruction or adverse modification of the critical habitat or cause or contribute to the taking of endangered or threatened species. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Acknowledgement	330.61(n)(1)	Yes	Section 3.6	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment.	Required	330.61(n)(2)	Yes	Section 3.6 and Appendix I/II-B.1	
166	Part II	Provide a demonstration of whether facility is located within species range and provide a biological assessment. If the WWTP permit contains a coordination and a review letter from the United States Fish and Wildlife Service and the Texas Parks and Wildlife Department, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(n)(2)	Yes	Appendix I/II-B.1	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code)	Required	330.61(o)	Yes	Section 3.1.5	
167	Part II	Provide documentation of compliance with Natural Resource Code, Chapter 191 (Texas Antiquities Code). If the WWTP permit contains coordination and a review letter from the Texas Historical Commission, the owner or operator shall submit these documents as an attachment/appendix to the registration application and by referencing where this information is addressed in the WWTP Permit and/or permit application.	Required	330.61(o)	Yes	Appendix I/II-A.2	
168	Part II	Provide documentation that Parts I and II of the application were submitted for review to the applicable council of governments for compliance with regional solid waste plans.	Required	330.61(p)	Yes	Appendix I/II-A.1	
169	Part II	Acknowledgement that the owner or operator requested a review letter from any local government, as appropriate for compliance with local solid waste plans. A review letter is not a prerequisite to a final determination on a permit or registration application.	Acknowledgement	330.61(p)	Yes	Appendix I/II-A.1	
170	Part II	Provide a constructed map showing boundary, zoning, & land use within one mile including info from 330.61(c)(4), (5), & (10) (schools, hospitals, etc.)	Required	330.61(g)	Yes	Figure I/II-5	
171	Part II	Provide the prevailing wind direction with a wind rose.	Required	330.61(c)(1)	Yes	Figure I/II-2	
172	Part II	Provide the location of all known water wells within 500 feet of the proposed permit boundary with the state well numbering system designation for Water Development Board "located wells".	Required	330.61(c)(2)	Yes	Appendix I/II-C	
173	Part II	Provide the location of all structures and inhabitable buildings within 500 feet of the facility	Required	330.61(c)(3)	Yes	Figure I/II-5	

Endangered Species
Endangered Species
Endangered Species
Historical Commission
Historical Commission
COG Review
COG Review
Maps/Drawing s
Maps/Drawing s
Maps/Drawing s
Maps/Drawing s

1								
174	Part II	Provide the location of all schools, licensed day- cares, churches, hospitals, cemeteries, ponds, lakes, residential, commercial, & recreational areas within one mile of the facility	Required	330.61(c)(4)	Yes	Figure I/II-5		Maps/Drawing s
175	Part II	Provide the location and surface type of roads used for access within one mile of the facility	Required	330.61(c)(5)	Yes	Figure I/II-7		Maps/Drawing s
176	Part II	Provide the latitude & longitude of the facility	Required	330.61(c)(6)	Yes	Figure I/II-1		Maps/Drawing
177	Part II	Provide the location of all area streams	Required	330.61(c)(7)	Yes	Figure I/II-9		Maps/Drawing
178	Part II	Provide the location of all airports within six	Required	330.61(c)(8)	Yes	NA	No airports located within six miles	Maps/Drawing
179	Part II	Indicate the property boundary of facility	Required	330.61(c)(9)	Yes	Figure I/II-4		Maps/Drawing
180	Part II	Indicate all drainage, pipeline, and utility	Required	330.61(c)(10)	Yes	NA		Maps/Drawing
181	Part II	Provide the location of all access control	Required	330.61(c)(11)	Yes	Figure I/II-6		Maps/Drawing
182	Part II	Provide the location of all archaeological sites, historical sites, and sites with an aesthetic quality adjacent to the facility	Required	330.61(c)(12)	Yes	NA	No such sites adjacent to facility	Maps/Drawing
183	Part II	Provide a facility layout map	Required	330.61(d)	Yes	Figure I/II-6		Maps/Drawing
184	Part II	A set of maps may be provided	Informational	330.61(d)		-		Maps/Drawing
186	Part II	Provide the location of interior roads	Required	330.61(d)(2)	Yes	Figure I/II-6		Maps/Drawing
187	Part II	Indicate the location of monitor wells	Required	330.61(d)(3)	Yes	NA		Maps/Drawing
188	Part II	Provide the location of all facility buildings	Required	330.61(d)(4)	Yes	Drawing I/II-6		Maps/Drawing
189	Part II	Provide notes on sequence of development	Required	330.61(d)(5)	Yes	NA		Maps/Drawing
190	Part II	Indicate the location of all facility fencing	Required	330.61(d)(6)	Yes	Drawing I/II-6		Maps/Drawing
192	Part II	Indicate the location of site entrance roads	Required	330.61(d)(8)	Yes	Drawing I/II-6		Maps/Drawing
198	Part II	Provide a general topographic maps: USGS 7.5 minute or equivalent one map at scale 1 in. = 2.000 ft.	Required	330.61(e)	Yes	Drawing I/II-2		Maps/Drawing
199	Part II	Provide Aerial Photograph(s) that are at least 9 in. by 9 in. at scale range of one inch = 1,667- 3,334 ft. that covers an area at least one mile in radius of the site. Facility boundary and fill areas (as applicable) must be shown.	Required	330.61(f)	Yes	Figure I/II-3		Maps/Drawing s
200	Part II	A series of photos showing growth trends may be used	Informational	330.61(f)(2)		-		Maps/Drawing
201	Part II	All submitted prints & photocopies must be legible	Informational	330.61(f)(3)		-		Maps/Drawing
202	Part II	Provide zoning map within two miles and a copy of any nonconforming use or special permit required for the facility	Required	330.61(h)(1)	Yes	NA	No published zoning maps within 2 miles of facility	Maps/Drawing
210	Part II	No solid waste disposal operations are permitted in the 100yr, floodway	Informational	330.547(a)		-		Floodplains and Wetlands
211	Part II	Demonstrate that, a facility located in 100 year flood plains, does not restrict the flow of the 100 yr. flood, reduce temporary storage capacity, or result in washout of solid waste so as to pose a hazard to human health and the environment	Required	330.547(b)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
212	Part II	Demonstrate that storage and processing facilities are located outside of the 100 year floodplain.	Required	330.547(c)	Yes	Drawing I/II-9		Floodplains and Wetlands

213	Part II	For storage and processing facilities located within the 100 year floodplain, please provide a demonstration that the facility is designed to prevent washout during a 100 year storm event, or a conditional letter of map amendment from the Federal Emergency Management Administration administrator	Required	330.547(c)	Yes	NA	Facility not in the 100 year floodplain	Floodplains and Wetlands
214	Part II	Acknowledge if the facility will be located in wetlands.	Acknowledgement	330.553(a) & (b)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
215	Part II	Demonstrate, if located within wetlands, that there is no practicable alternative location	Required	330.553(b)(1)	Yes	NA	Not located within wetlands, see Drawing I/II-8	Floodplains and Wetlands
216	Part II	Acknowledge that the facility's construction & operations shall not cause or contribute to violations of state water quality standards, violation of any applicable toxic effluent standard or prohibition under the Clean Water Act §307; jeopardize the continued existence of endangered or threatened species or result in the destruction or adverse modification of a critical habitat, protected under the Endangered Species Act of 1973, or violate any requirement under the Marine protection, Research, & Sanctuaries Act	Acknowledgement	330.553(b)(2)(A) - (D)	Yes	Appendix I/II-B		Floodplains and Wetlands
217	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of native wetland soils, muds, and deposits used to support the landfill	Required	330.553(b)(3)(A)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
218	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing erosion, stability, & migration potential of dredged and fill materials used to support the landfill	Required	330.553(b)(3)(B)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
219	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the volume and chemical nature of the waste managed in the landfill unit	Required	330.553(b)(3)(C)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
220	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the impacts on fish, wildlife, and other aquatic resources and their habitat for the release of solid waste	Required	330.553(b)(3)(D)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
221	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing the potential effects of catastrophic release of waste to the wetlands and the resulting impacts on the environment	Required	330.553(b)(3)(E)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
222	Part II	If wetlands are located within the facility, submit a demonstration for the integrity of landfill unit by addressing any additional factors, as necessary, to demonstrate that ecological resources in the wetland are sufficiently protected	Required	330.553(b)(3)(F)	Yes	NA	Appendix I/II-B	Floodplains and Wetlands
223	Part II	Sufficient information shall be provided to the ED to allow a reasonable determination to be made with respect to the demonstrations cited in 30 TAC §330.553(b)	Informational	330.553(b)(5)		-		Floodplains and Wetlands
224	Part II	Provide the steps taken to achieve no net loss of wetlands	Required	330.553(b)(4)	Yes	NA	No wetlands on site	Floodplains and Wetlands

225		Acknowledge that the operation of this facility				Section 3.6	
	Part II	shall not result in the destruction or adverse modification of the critical habitat of ordenered or threatened energies	Acknowledgement	330.551(a)	Yes		
226	Part II	The term "Harassing" means; An intentional or negligent act or omission that creates the likelihood of injury to wildlife	Informational	330.551(b)(1)		-	
227	Part II	The term "Harming" means; An act of omission that actually injures or kills wildlife, including acts that annoy it to such an extent as to significantly disrupt essential behavioral patterns	Informational	330.551(b)(2)		-	
228	Part II	The term "Taking" means; collecting an endangered or threatened species or attempting to engage in such conduct	Informational	330.551(b)(3)		-	
229	Part II	Acknowledge that no solid waste unloading, storage, disposal, or processing operations shall occur within any easement, buffer zone, or right- of-way that crosses the facility	Acknowledgement	330.543(a)	Yes	Yes	
268	Part II	Submit information for on-site local geologic or geomorphologic features	Required	330.559(2)	Yes	Section 3.3	
269	Part II	Identify local human-made features or events	Required	330.559(3)	Yes	NA	
270	Part III	Describe facility access control features	Required	330.63(b)(1)	Yes	Section 2.1	
271	Part III	Submit a process design for the facility [that includes items 330.63(b)(2)(A) through 330.63(b)(2)(I)]	Required	330.63(b)(2)	Yes	Section 2.0 and Drawings III-1.1 through III-1.8.	
272	Part III	Submit a flow diagram(s) to describe the storage, processing, and disposal sequences for each type of waste and/or feedstock/recyclable	Required	330.63(b)(2)(A)	Yes	Drawing 1.2	
273	Part III	Submit a schematic view drawing(s) showing phases for collection, separation and processing/disposal of each type of waste and/or feedstock/recyclable material	Required	330.63(b)(2)(B)	Yes	Drawing 1.3	
274	Part III	Provide ventilation & odor control measures for each unit	Required	330.63(b)(2)(C)	Yes	Section 2.2.3	
275	Part III	Provide construction details of storage, processing units & components, dimensions, capacity, materials used, etc.	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	-
276	Part III	Provide performance data for all storage and processing units and ancillary equipment	Required	330.63(b)(2)(D)	Yes	Section 2.2.4 and Drawings III-1.4, III-1.5, III-1.7, and III 1.8	
278	Part III	Submit location and engineering designs for containment of storage, processing and loading & unloading areas including freeboard	Required	330.63(b)(2)(F)	Yes	Drawings III-1.4, III-1.5, and III-1.8.	
279	Part III	Describe the storage and handling of grease, oil and sludge, including the maximum time waste will be on-site and details of ultimate disposition	Required	330.63(b)(2)(G)	Yes	NA	The faci therefo
280	Part III	Provide details of effluent disposal	Required	330.63(b)(2)(H)	Yes	NA	
281	Part III	Provide designs for noise pollution control	Required	330.63(b)(2)(I)	Yes	Section 2.25	
282	Part III	Describe how the processing areas will be designed for proper cleaning and to prevent surface water runoff onto, into, and off the treatment areas	Required	330.63(b)(3)(A)	Yes	Section 2.3	
283	Part III	Describe construction material used for walls and floors that can be hosed down and scrubbed	Required	330.63(b)(3)(B)	Yes	Drawing III-1.8	
284	Part III	Describe water or steam connections and equipment for cleaning	Required	330.63(b)(3)(C)	Yes	Section 2.3	
285	Part III	Provide adequate floor drains and/or sumps	Required	330.63(b)(3)(D)	Yes	Section 2.3	

	Endangered Species
	Endangered Species
	Endangered Species
	Endangered Species
	Easements and Buffer Zone
	Geology
	Geology
	General Facility Design
acility will not accept or store grease, oil, or sludge; efore, the requirements of §330.63(b)(2)(G) do not apply	General Facility Design

286						Section 2.3.2	
200	Part III	Describe proper disposal of liquids resulting from waste processing, cleaning, and washing and provide for the treatment of waste water	Required	330.63(b)(4)	Yes	5CC1011 2.5.2	
287	Part III	Describe how facility will be designed to protect endangered species	Required	330.63(b)(5)	Yes	Section 2.4	
336	Part III	Submit if applicable, a floodplain development permit from any agency with jurisdiction over the proposed improvements	Required if Requested	330.63(c)(2)(D)(ii)	Yes	NA	
337	Part III	Submit if applicable a Conditional Letter of Map Amendment from FEMA	Required if Requested	330.63(c)(2)(D)(iii)	Yes	NA	
338	Part III	Submit if applicable, Corps of Engineers Section 404 Specification of Disposal Sites for Dredged or Fill Material permit for construction of all necessary improvements	Required if Requested	330.63(c)(2)(D)(iv)	Yes	NA	
339	Part III	Provide for storage & transfer units a description of design features for the rapid processing and minimum detention of solid waste at the facility	Required	330.63(d)(1)(A)	Yes	Section 4.0	
340	Part III	Provide design features for a facility to prevent the creation of nuisances or public health hazards	Required	330.63(d)(1)(A)	Yes	Secion 4.0	
545	Part III	Indicate that a characterization of the contaminated groundwater, including concentrations of assessment constituents as defined in \$330.409	Required	330.63(f)(7)(A)	Yes	NA	
701	Part III	Specify in the closure plan that the operator will begin closure no later than 30 days after final receipt of waste or no later than one year if the unit has remaining capacity and additional waste may be received	Required	330.457(f)(3)	Yes	NA	
702	Part III	Provide for closure activities to be completed within 180 days of initiation	Required	330.457(f)(4)	Yes	NA	
704	Part III	Acknowledge that following receipt of closure documents and the inspection report by the TCEQ region, the ED may acknowledge termination of operation & closure & deem the facility properly closed	Acknowledgement	330.457(f)(6)	Yes	Yes	
706	Part III	Indicate that notice of closure will be published in the newspaper of largest circulation 90 days prior to the initiation of a final facility closure. The notice shall provide the name, address, and physical location of the facility; the TCEQ authorization number; and the last date of intended receipt of waste.	Required	330.461(a)	Yes	Section 2.0	
707	Part III	Acknowledge that notice of closure will be provided to the ED 90 days prior to the initiation of a final facility closure and that the owner or operator will also make available an adequate number of copies of the approved final closure and post-closure plans (if applicable) for public access and review	Acknowledgement	330.461(a)	Yes	Yes	
708	Part III	Acknowledge that least one closure sign will be posted at every point of access and notify all persons who utilize the facility of the date of closure and the prohibition against further receipt of waste materials	Acknowledgement	330.461(b)	Yes	Yes, Section 2.0	
709	Part III	Indicate that suitable barriers will be installed at all access points to adequately prevent the unauthorized dumping of solid waste at the closed facility.	Required	330.461(b)	Yes	Section 2.0	

	General Facility Design
	General Facility Design
	Surface Water Drainage Report
	Surface Water Drainage Report
	Surface Water Drainage Report
	Waste Management Unit Design
	Waste Management Unit Design
	Groundwater Sampling & Analysis Plan
Only applicable to landfill units	Closure Plan
Only applicable to landfill units	Closure Plan

710	Part III	Indicate that an Affidavit to the Public will be submitted to the ED by registered mail, if waste will remain onsite and indicate that The Owner or Operator will also record a certified notation on the deed to the facility property that the land has been used as a landfill and submit a certified copy of the modified deed to the ED.	Required if Requested	330.461(c )(1)	Yes	Section 3.0	
711	Part III	Acknowledge that a certification, signed by a P.E., will be provided within 10 days of final closure activities, verifying that final facility closure has been completed in accordance with the approved closure plan and will include all applicable documentation necessary for certification	Acknowledgement	330.461(c)(2)	Yes	Yes, Section 3.0	
713	Part III	The owner or operator may request permission from the ED to remove the notation from the deed if all wastes are removed from the facility	Informational	330.461(d)		-	
714	Part III	Submit a closure plan for Storage and Processing units to remove all waste, waste residues, and any recovered materials. Units shall be dismantled and removed off-site or decontaminated	Required	330.459(a)	Yes	Part III, Attachment 2	
715	Part III	Provide plans for the evacuation of all material on-site to an authorized facility and the disinfecting of all contaminated water handling units, tipping areas, processing and post- processing areas (as applicable)	Required	330.459(b)	Yes	Section 2.0	
716	Part III	Acknowledge that if there is evidence of a release, the ED may require an investigation, assessment, and or corrective action.	Acknowledgement	330.459(c)	Yes	Yes, Section 2.0	
717	Part III	Submit a plan (if combustible material is stored outdoors) for closure of a recycling facility that includes collecting processed and unprocessed materials, and transporting the materials to an authorized facility for disposition	Required	330.459(d)(1)	Yes	NA	
718	Part III	Provide for the closure plan to be implemented (if combustible material is stored outdoors) and completed within 180 days following the most recent acceptance of processed or unprocessed materials	Required	330.459(d)(2)	Yes	NA	1
737	Part III	Submit cost estimates for closure & post- closure. Existing facilities must submit a copy of the financial assurance documentation. New facilities must submit financial assurance within 60 days prior to receipt of waste	Required	330.63(j)	Yes	Attachment 3	
742	Part III	Provide cost estimates to close a Recycling facility that stores combustible materials	Required	330.505(a)(1)	Yes	NA	
743	Part III	Provide a closure cost estimate that equals the costs of closure of the facility, including disposition of the maximum inventories of all waste; processed and unprocessed combustible materials stored outdoors on site during the life of the facility	Required	330.505(a)(2)(A)	Yes	Attachment 3, Table III-3.1	
744	Part III	Provide a closure cost estimate that is based on the costs of hiring a third party that is not affiliated with the owner or operator; and is based on a per cubic yard and/or short ton measure for collection and disposition costs.	Required	330.505(a)(2)(B-(C )	Yes	Attachment 3, Section 2.0	

	Closure Plan
	Closure Plan
	Closure Plan
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
No combustible material stored outdoors	Closure Plan For Processing Facilities
	Closure Cost Estimates

745		Dravida for the closure cost estimate & financial				Attachment 3, Section 2.0	
	Part III	which increase the maximum cost of closure at any time during the active life of the facility	Required	330.505(a)(3)	Yes		
746	Part III	A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure at any time during the remaining life of the facility	Required if Requested	330.505(a)(4)	Yes	Attachment 3, Section 2.0	
747	Part III	Provide for the maintenance of financial assurance for Recycling facilities that store combustible materials outdoors or that pose a risk	Required	330.505(b)(1)	Yes	NA	
748	Part III	Provide for the maintenance of financial assurance until closure is approved by ED.	Required	330.505(b)(2)	Yes	Attachment 3, Section 2.0	
758	Part IV	A site operating plan shall cover all on-site units in accordance with Subchapters D & E of Chapter 330.	Informational	330.65(a)		-	
785	Part IV	Indicate that the facility will provide the reports required by 30 TAC §330.675 to the Executive Director	Required	330.675	Yes	Section 10.0	
988	Part IV	Provide information identifying any permit required under the TPDES and any permit requirements imposed by other agencies for a grease, grit, & septage processing facility	Required	330.65(d)	Yes	NA	Section 2.1
989	Part IV	Identify source & characteristics of wastes that will be received and Specify any limiting parameters that may influence the design and operation of the facility	Required	330.203(a)	Yes	Section 2.1	
990	Part IV	Provide estimate of the amount of each waste to be received daily, max amount stored at any one time, max & average time waste will remain on- site, max & average processing time, intended destination of generated wastes, & description of how 10% will be recovered if applicable.	Required	330.203(b)	Yes	Section 2.3 and 2.4	
991	Part IV	Acknowledge that 10% recovery of material for beneficial use is considered to be the recovery of fats, oil, and greases, but does not include the recovery of water	Acknowledgement	330.203(b)	Yes	Yes	
1000	Part IV	Acknowledge that failure to achieve the relevant 10 percent recycling rate in any two quarters within any one-year period will cause a registration to terminate and will require the owner or operator of the facility to obtain a permit to continue facility operations.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1
1001	Part IV	Provide for a quarterly report to be submitted that will include volume of waste received, percent solids, and the method of determining the percent solids, processed, disposed, and recycled or reused	Required	330.9(g)(1)	Yes	NA	Section 2.1
1002	Part IV	Provide in the quarterly report, the method(s) utilized to achieve at least 10% recycling or reuse of incoming material	Required	330.9(g)(1)	Yes	NA	Section 2.1
1003	Part IV	Submit a quarterly report that reconciles the volume of waste with the amounts on manifests, shipping documents, or trip tickets and indicate where the recyclable material was taken for recycling	Required	330.9(g)(1)	Yes	NA	Section 2.1
1004	Part IV	Acknowledge that the addition of any material such as lime, polymer, or flocculent added as part of the recycling process is not allowed to be considered as part of the 10% recovery of material from the waste stream and must be subtracted from the material considered as recycled.	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1

	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Closure Cost Estimates
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan

	r		1		1		F	1
1005	Part IV	Acknowledge that diverting material from the waste stream without processing is not considered to be recycling as part of this	Acknowledgement	330.9(g)(1)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
		activity.						
1006		Provide the characteristics and constituent concentrations of wastes generated by the				Section 3.0		
	Dort IV	facility and indicate that documentation that all	Dequired	220.205(a)	Voc			Site Operating
	Part IV	wastes leaving the facility can be adequately	Required	550.205(a)	res			Plan
		managed by other authorized facilities will be						
		provided Indicate that all wastes generated by a facility				Section 3.0		
1007	Part IV	must be processed or disposed at an authorized	l Required	330.205(b)	Yes	Section 5.0		Site Operating
		solid waste management facility		0001200(0)				Plan
1008		Indicate that all wastewaters generated by a				Section 3.0		Site Operating
	Part IV	facility shall be managed as contaminated water	Required	330.205(c)	Yes			Plan
		Indicate that the facility shall be designed and				Section 3.0		
		operated to produce a sludge that is acceptable				Section 5.0		
1010	Part IV	at municipal solid waste landfills and does not	Required If Requested	330.205(d)	Yes		The facility will not generate sludges, therefore the	Site Operating
		exceed standards specified in 30 TAC					requirements of §330.205(d) do not apply.	Plall
1011		§330.205(d)				Continue 2.0	_	
1011		Indicate that sludges exceeding the limits shall				Section 3.0		
		not be disposed in municipal solid waste						
		facility for further processing or disposal as a					The facility will not generate sludges therefore the	Site Operating
	Part IV	hazardous waste as appropriate or disposal as a	Required If Requested	330.205(d)	Yes		requirements of \$330 205(d) do not apply	Plan
		a municipal solid waste landfill with dedicated					requirements of §550.205(d) do not uppi).	1 Iuli
		Class 1 industrial solid waste cells if the sludge						
		is nonhazardous.						
1012		The owner or operator shall not discharge				-		Site Operating
	Part IV	contaminated water without specific written	Informational	330.207(a)				Plan
						Continue 4.0		
		Provide a plan that describes how all liquids				Section 4.0		
1013	Part IV	resulting from the operation of the facility shall	Required	330.207(a)	Yes			Site Operating
		be disposed of in a manner that will not cause	Ĩ					Plan
1014	Part IV	Indicate that contaminated water shall be	Required	330.207(h)	Vec	Section 4.0		Site Operating
	Pattiv	collected and contained until properly managed	. Kequileu	330.207(D)	Tes			Plan
1015	Dowt IV	Indicate that leachate shall be collected and	Dequired	220.207(h)	Vac	NA		Site Operating
	Part IV	contained until properly managed.	Required	330.207(D)	res			Plan
		Indicate that collection units other than storage				NA		Cite On matin -
1016	Part IV	tanks shall have a clay or synthetic liner and the	Required If Requested	330.207(b)	Yes		There are no other collection units other than storage	Site Operating
		TAC \$330 331(b)					tanks at the facility.	riali
1018	Dowt IV	Indicate that the use of leachate & gas	Dequired	220.207(a)	Vac	NA	No mining will be performed at facility	Site Operating
	Pattiv	condensate in mining process is prohibited.	Kequifed	330.207(C)	Tes		No mining will be performed at facility	Plan
1019	Part IV	Indicate that the facility will not discharge to a	Required	330.207(d)	Yes	NA	Section 2.1, the facility will not accept or process grease,	Site Operating
1020		Indicate that off-site discharge of contaminated	-	· ·		Section 4.0	grit, or septage.	Pian
1020	D	waters shall be made only after approval under			<u>, , , , , , , , , , , , , , , , , , , </u>	Section 4.0		Site Operating
	Part IV	the Texas Pollutant Discharge Elimination	Required	330.207(e)	Yes			Plan
		System authority						
1021		facility permitted under Texas Water Code				NA		
		Chapter 26 must not interfere with or pass-						
		through the treatment facility processes or						
		operations, interfere with or pass-through its					Section 2.1 the facility will not accent or process grasse	Site Operating
	Part IV	sludge processes, use, or disposal or otherwise	Acknowledgement	330.207(f)(1)	Yes		grit. or sentage.	Plan
		be inconsistent with the prohibited discharge					0, ocp 000	
		standards, including 40 Code of Federal Regulations Part 403 Constal Protreatment						
		Regulations for Existing and New Source						
		Pollution						

			1			NT A		
1022	Part IV	Indicate that the daily effluent design standard for oil and grease concentration leaving the facility and entering a public sewer system shall not exceed 200 milligrams per liter, the concentration established in the wastewater discharge permit pretreatment limit or the concentration established by the treatment facility permitted under Texas Water Code, Chapter 26, the National Pollutant Discharge Elimination System, or the limits established in 30 TAC §330.207, if the discharge points do not require compliance with locally set limits.	Required	330.207(g)	Yes	NA 	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1023	Part IV	Indicate that lagoons, open-top storage tanks, open vessels, and underground storage units are prohibited at liquid waste transfer facilities	Required	330.207(h)	Yes	NA	Section 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
1024	Part IV	Provide plans demonstrating that all waste shall be stored in such a manner that it does not constitute a fire, safety, or health hazard or provide food or harborage for animals and vectors, and shall be contained or bundled so as not to result in litter	Required	330.209(a)	Yes	Section 5.0		Site Operating Plan
1025	Part IV	Provide a description of on-site storage area for source-separated or recyclable materials that is separate from a transfer station or process area and provides for the control of odors, vectors, and windblown waste	Required If Requested	330.209(b)	Yes	NA, Section 5.0	Since the transfer station will not have an area to receive or stor	Site Operating Plan
1026	Part IV	Provide plans for process area of transfer stations that recover material from putrescible or liquid waste. Such plans shall provide for the storage of processed and unprocessed waste & recycled materials in enclosed buildings, vessels or containers	Required If Requested	330.209(c)	Yes	NA, Section 5.0	Since the transfer station will not have provisions for the recovery of recyclable materials, the requirements of §330.209(c) do not apply.	f Site Operating Plan
1027	Part IV	Provide a plan that describes how all waste containing food wastes shall be stored in covered or closed containers that are leak-proof durable, and designed for safe handling and easy cleaning	, Required	330.211	Yes	Section 6.0		Site Operating Plan
1028	Part IV	Indicate that nonreusable containers shall be of suitable strength to minimize vector scavenging or rupturing.	Required	330.211(1)	Yes	Section 6.0		Site Operating Plan
1029	Part IV	Indicate that reusable containers must be maintained in a clean condition as not to constitute a nuisance, harbor, feed, and propagate vectors.	Required	330.211(2)	Yes	Section 6.0		Site Operating Plan
1030	Part IV	Indicate that any containers emptied manually must be capable of being serviced without physical contact with waste.	Required	330.211(2)(A)	Yes	Section 6.0		Site Operating Plan
1031	Part IV	Indicate that containers that are mechanically handled must be designed to prevent spillage/leakage during storage, handling, and transport.	Required	330.211(2)(B)	Yes	Section 6.0		Site Operating Plan
1032	Part IV	Provide a plan that describes how a citizen's collection stations shall be operated in accordance with 30 TAC \$330.213	Required If Requested	330.213(a)	Yes	NA		Site Operating Plan
1033	Part IV	Indicate that it is the responsibility of the person that owns or operates the collection center to provide for the collection of deposited waste on a scheduled basis and supervise the facility in order to maintain it in a sanitary condition.	Required If Requested	330.213(a)	Yes	NA		Site Operating Plan

		A citizen's collection station may accept sharps				NA		
1034	Part IV	from single-family or multi-family dwellings, hotels, motels, or other establishments that provide lodging and related services for the public. The sharps will not be considered medical waste, as defined in 30 TAC §330.3	Required If Requested	330.213(b)	Yes			Site Operating Plan
1035	Part IV	Provide operational standards for stationary compactors that describe how they will operated and maintained in such a way as not to create a public nuisance through material loss or spillage, odor, vector breeding or harborage, or other condition.	Required If Requested	330.215(1) and (2)	Yes	NA, Section 8.0	The Highway 24 Transfer Station will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.	Site Operating Plan
1036	Part IV	Indicate that a copy of the permit or registration, application, and any other plans or related documents, and as-built plans will be maintained in the site operating record and shall be made available for inspections by agency representatives or other interested parties	Required	330.219(a)	Yes	Section 10.0		Site Operating Plan
1037	Part IV	Indicate that operator shall record & retain location restriction demonstrations, inspection records, training procedures, closure plans, monitoring, testing, analytical data relating to closure, cost estimates, financial assurance documents, all correspondence, modification, approvals, manifests, shipping documents, tickets relating to special waste, & documents as specified by the executive director in the operating record.	Required	330.219(b)(1) - (7)	Yes	Section 10.0		Site Operating Plan
1038	Part IV	Indicate that trip tickets will be maintained according to the record retention provisions in 30 TAC \$312,145	Required	330.219(b)(8)	Yes	Section 10.0		Site Operating Plan
1040	Part IV	Indicate that all reports will be signed by a person who is a duly authorized as a signatory for reports. A person is duly authorized if authorized in in writing by the owner or operator in accordance with 30 TAC §305.44(a) and the authorization specifies individual or position with responsibility and this written authorization is submitted to the executive	Required	330.219(c)(1)(A) - (C)	Yes	Section 10.0		Site Operating Plan
1041	Part IV	Acknowledge that if the authorization to sign is not longer accurate a new authorization will be submitted	Acknowledgement	330.219(c)(2)	Yes	Yes		Site Operating Plan
1042	Part IV	Indicate that any person signing a report shall make the certification in 305.44(b).	Required	330.219(c)(3)	Yes	Section 10.0		Site Operating Plan
1043	Part IV	Indicate that the operator shall maintain records on-site, available for inspection by the executive director for a period consisting of the two most recent calendar years	Required	330.219(d)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1045	Part IV	Indicate that the results of final product testing under 30 TAC §330.613 or §332.71 will be maintained in the site operating record	Required	330.219(d)(2)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1046	Part IV	Indicate that copies of annual reports will be maintained in the site operating record for 5yrs	Required	330.219(d)(3)	Yes	NA	Site is not a municipal solid waste composting or landfill mining facility, and as such is not applicable.	Site Operating Plan
1047	Part IV	Indicate that the site operating record shall be furnished and available for inspection by executive director	Required	330.219(e)	Yes	Section 10.0		Site Operating Plan
1048	Part IV	Indicate that the operator shall retain site operating record for the life of the facility	Required	330.219(f)	Yes	Section 10.0		Site Operating Plan
1049	Part IV	Indicate that the executive director may set alternative recordkeeping & notification schedules.	Required	330.219(g)	Yes	Section 10.0		Site Operating Plan

-					•	
1051	Part IV	Provide a fire protection plan that describes the source of fire protection (a local fire department, fire hydrants, fire extinguishers, water tanks, water well, etc.), procedures for using the fire protection source, and employee training and safety procedures. The fire protection plan shall comply with local fire codes.	Required	330.221(c)	Yes	Section 11.0
1052	Part IV	Provide a description of the availability of water under pressure for firefighting purposes	Required	330.221(a)	Yes	Section 11.0
1053	Part IV	Provide a description of on-site firefighting equipment	Required	330.221(b)	Yes	Section 11.0
1054	Part IV	Indicate that all employees shall be trained in the contents and use of the fire protection plan	Required	330.221(c)	Yes	Section 11.1
1055	Part IV	Provide a description of the artificial barriers, natural barriers, or a combination of both, appropriate to protect human health and safety and the environment that are used to control access to the facility and indicate that uncontrolled access to the facility shall be	Required	330.223(a)	Yes	Section 12.0
1056	Part IV	Provide a description of the, minimum two lane, access road from the public road and how it is designed for expected traffic volumes and adequate turning radii.	Required	330.223(b)	Yes	Section 12.2
1057	Part IV	Provide a description of vehicle parking for equipment, employees, and visitors. Indicate that safety bumpers at hoppers must be provided for vehicles. And provide a description of the positive means to control dust and mud	Required	330.223(b)	Yes	Section 12.2
1058	Part IV	Provide a description of perimeter control fencing that includes having lockable gates and attendant on site during operating hours. Operating and transport areas shall be enclosed by walls or fencing	Required	330.223(c)	Yes	Section 12.1
1059	Part IV	Provide a description of the unloading areas and indicate that unloading areas will be confined to as small an area as practical and be monitored by attendant.	Required	330.225(a)	Yes	Section 13.0
1060	Part IV	Provide a description of the signs & forced access lanes used to prevent indiscriminate dumping	Required	330.225(a)	Yes	Section 13.0
1061	Part IV	Indicate that the facility is not required to accept any solid waste that he/she determines will cause or may cause problems in maintaining full and continuous compliance	Required	330.225(a)	Yes	Section 13.0
1062	Part IV	Provide procedures to ensure that waste in unauthorized areas is removed immediately and disposed of property.	Required	330.225(b)	Yes	Section 13.0
1063	Part IV	Provide procedures for the detection and prevention of the unloading of processing of prohibited wastes.	Required	3330.225©	Yes	Section 13.0
1064	Part IV	Indicate that prohibited waste must be returned immediately to the transporter or generator.	Required	330.225(c)	Yes	Section 13.0
1065	Part IV	Provide a description of how storage & processing areas are designed to control and contain worst case spill or release and will account for precipitation from a 25-year, 24-	Required	330.227	Yes	Section 14.0
1066	Part IV	Specify the waste acceptance and facility operating hours	Required	330.229(a)	Yes	Section 15.0

Site Operating Plan
Site Operating Plan

1067	Part IV	The waste acceptance hours may be any time between the hours of 7:00 a.m. and 7:00 p.m., Monday through Friday, unless otherwise approved by the executive director or commission for a permit. The operating hours for operating heavy equipment and transporting materials on- or off-site may be any time between the hours of 5:00 a.m. and 9:00 p.m., Monday through Friday, unless otherwise approved in the authorization.	Required	330.229(a)	Yes	Section 15.0
1068	Part IV	Specify alternative operating hours of up to five days in a calendar year to accommodate special occasions, special purpose events, holidays, or other special occurrences	Required	330.229(b)	Yes	Section 15.0
1069	Part IV	Indicate that the facility will record in the site operating record the dates, times, and duration when any alternative operating hours are utilized.	Required	330.229(d)	Yes	Section 10.0
1070	Part IV	Indicate that the commission's regional offices may allow additional temporary operating hours to address disaster or other emergency situations, or other unforeseen circumstances that could result in the disruption of waste management services in the area.	Required	330.229(c)	Yes	Section 15.0
1071	Part IV	Indicate that a sign measuring at least 4' X 4' must be displayed at all entrances. Indicate that information on the sign must including the facility name and type, hours and days of operation, authorization number, and facility rules	Required	330.231	Yes	Section 16.0
1072	Part IV	Indicate that windblown material and litter shall be collected as necessary, throughout the facility, along fences and access roads, and at the gate, at least once per day on days that the facility is in operation, to minimize unhealthy, unsafe, or unsightly conditions.	Required	330.233(a)	Yes	Section 17.0
1073	Part IV	Indicate the measures used to control	Required	330.233(a)(1)	Yes	Section 17.0
1074	Part IV	Provide a description of fence or screen used to minimize windblown waste if the facility is not completely enclosed.	Required	330.233(b)	Yes	Section 17.0
1075	Part IV	Provide procedures to encourage waste hauling vehicles to cover loads that may include posting signs, reporting offenders, and assessing surcharges	Required	330.235	Yes	Section 18.0
1077	Part IV	Provide a description of all weather access roads at the facility and how the tracking of mud and debris onto public roadways will be minimized.	Required	330.237(a)	Yes	Section 19.0
1078	Part IV	Provide procedures use to ensure that dust from on-site and other access roadways shall not become a nuisance to surrounding areas and indicate that a water source and necessary equipment or other means of dust control shall be provided.	Required	330.237(b)	Yes	Section 19.0
1079	Part IV	Provide procedures to be used to maintain on site roads and minimize depressions, ruts, and potholes.	Required	330.237(c)	Yes	Section 19.0
1080	Part IV	Describe screening or other means used to prevent noise pollution & adverse visual impacts.	Required	330.239	Yes	Section 20.0
1081	Part IV	Provide procedures used to ensure that the design capacity of the facility shall not be exceeded and that waste will not be allowed to accumulate in quantities that create a nuisance, create odors, or harbor vectors	Required	330.241(a)	Yes	Section 21.0

Site Operating Plan
Site Operating Plan
Site Operating
Site Operating Plan

1082	Part IV	Provide procedures that describe how unprocessed grease, grit, & septage will only be stored up to 72hrs.	Required	330.241(a)(1)	Yes	NA	Section 2.1
1083	Part IV	Provide procedures that provide for the restriction, diversion or removal of waste if the facility experiences a significant work stoppage.	Required	330.241(b)	Yes	Section 21.0	
1084	Part IV	Provide an alternative processing/disposal procedures for when facility is inoperable for more than 24hrs.	Required	330.241(c)	Yes	Section 21.0	
1085	Part IV	Provide procedures for washing down all working surfaces in contact with waste at least weekly or twice per week for facilities that operate continuously.	Required	330.243(a)	Yes	Section 22.0	
1086	Part IV	Provide procedures to ensure that wash water shall not be allowed to accumulate without proper treatment.	Required	330.243(b)	Yes	Section 23.0	
1087	Part IV	Provide procedures that demonstrate that wash water shall be collected & disposed of in an authorized manner.	Required	330.243(c)	Yes	Section 4.0	
1088	Part IV	Acknowledge that air emissions from municipal solid waste facilities must not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act.	Acknowledgement	330.245(a)	Yes	Yes	
1090	Part IV	Provide a description of odor-retaining containers & vessels used to store liquid and solid waste	Required	330.245(c)	Yes	Section 23.0	
1091	Part IV	Provide a description of how the facility has been designed and will be operated to provide adequate ventilation and prevent nuisance odors from leaving boundary of facility	Required	330.245(d)	Yes	Section 23.0	
1092	Part IV	Indicate that air pollution emission capture & abatement equipment shall be cleaned and maintained per manufacturer's recommendations and as necessary so that the equipment efficiency can be adequately maintained	Required	330.245(e)	Yes	Section 23.0	
1093	Part IV	Provide a description of the measures/equipment, in accordance with 30 TAC §330.245(f)(1) – (4), that will be use to control odor at the facility.	Required	330.245(f)(1) - (4)	Yes	Section 23.0	
1094	Part IV	Indicate that the process areas that recover material from solid waste that contains putrescibles shall be maintained totally within an enclosed building and describe how openings to the process area shall be controlled to prevent releases of nuisance odors from leaving the property boundary of the facility.	Required	330.245(g)	Yes	Section 23.0	
1095	Part IV	Provide a description of how facility shall be designed to allow a minimal time of exposure of liquid waste to the air and minimize waste contact with air during unloading of liquid waste into the facility.	Required	330.245(h)	Yes	Section 23.0	
1096	Part IV	Acknowledge that the reporting of emissions events shall be made in accordance with §101.201 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements) and reporting of scheduled maintenance shall be made in accordance with §101.211 of this title (relating to Scheduled Maintenance, Startup, and Shutdown Reporting and Recordkeeping Requirements).	Acknowledgement	330.245(j)	Yes	Yes	

ction 2.1, the facility will not accept or process grease, grit, or septage.	Site Operating Plan
	Site Operating Plan

1097	Part IV	Provide procedures for the control of ponded water to avoid its becoming a nuisance and alleviate any objectionable odors	Required	330.245(k)	Yes	Section 23.0	Site Operating Plan
1098	Part IV	Indicate that facility personnel will be trained in the appropriate sections of the facility's health and safety plan.	Required	330.247	Yes	Section 24.0	Site Operating Plan
1099	Part IV	Indicate that the facility shall provide potable water and sanitary facilities for all employees and visitors.	Required	330.249	Yes	Section 25.0	Site Operating Plan

### **TYPE V TRANSFER STATION PERMIT APPLICATION**

### FOR

### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

### PARTS I/II GENERAL APPLICATION REQUIREMENTS

8/12/2021

**Prepared for:** 

Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas 75461

**Prepared by:** 

### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 SCS Project No. 16219083

## TABLE OF CONTENTS

<u>SEC</u>	<u>ION</u>		<u>PAGE</u>
I.	SUP	PLEMENTARY TECHNICAL REPORT (30 TAC §305.45(a)(8))	S-1
1	PRO	PERTY AND OWNERSHIP SUMMARY	I/II-1
	1.1	Facility Location and History (30 TAC §330.59(b))	1/11-1
	1.2	Property Description and Ownership Information (30 TAC §330.59(d))	1/11-1
	1.3	Land Ownership and Mineral Interest Ownership (30 TAC §330.59(c)(3))	1/11-1
	1.4	Easements (30 TAC §330.61(c)(10))	I/II-2
	1.5	Legal Authority (30 TAC §330.59(e))	1/11-2
	1.6	Evidence of Competency (30 TAC §330.59(f))	/II-2
	1.7	Appointments (30 TAC §330.59(g))	
	1.8	Application Fees (30 TAC §330.59(h))	8/12/2021
	1.9	Application Posting Information (30 TAC §330.57(i))	<b>0.7.</b> 1/11-2
	1.10	) Required Permits/Authorizations (30 TAC §305.45(a)(7))	1/11-3
2	FACI	ILITY FEATURES AND WASTE ACCEPTANCE PLAN	1/11-5
	2.1	Proposed Permit	1/11-5
	2.2	Sources and Characteristics of Waste (30 TAC §330.61(b)(1))	1/11-5
		2.2.1 Waste Types and Generation Areas	I/II-5
		2.2.2 Projected Waste Acceptance Rate	I/II-8
		2.2.3 Population Equivalent	I/II-8
		2.2.4 Waste Storage and Disposal	I/II-8
	2.3	Regional Solid Waste Management (30 TAC §330.61(p))	I/II-9
3	EXIS	TING CONDITIONS SUMMARY	1/11-10
	3.1	Impact on Surrounding Area (30 TAC §330.61(H))	I/II-10
		3.1.1 Zoning	I/II-10
	3.1.2	Character of Surrounding Land UseI/II-10	
-----	--	--	--
	3.1.3	Population and Community Growth TrendsI/II-10	
	3.1.4	Growth TrendsI/II-11	
	3.1.5	Proximity to Residences and Other UsesI/II-11	
		3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site I/II-13	
	3.1.6	Oil/Gas and Water WellsI/II-13	
	3.1.7	Prevailing Wind Direction	
3.2	Transp	oortation Analysis (30 TAC §330.61(i))	
	3.2.1	Site Access	
	3.2.2	Traffic Volumes	
	3.2.3	Facility Generated Traffic Volumes	
	3.2.4	Airport LocationsI/II-15	
	3.2.5	TxDOT CorrespondenceI/II-15	
3.3	Gener	al Geology and Soils Statement (30 TAC §330.61(j))	
	3.3.1	Physiography and TopographyI/II-16	
	3.3.2	Geologic SettingI/II-16	
	3.3.3	On-Site SoilsI/II-16	
3.4	Groun	d and Surface Water Statement (30 TAC §330.61(k))I/II-16	
	3.4.1	Groundwater ConditionsI/II-16	
	3.4.2	Surface Water FeaturesI/II-17	
	3.4.3	Texas Pollutant Discharge Elimination SystemI/II-17	
3.5	Floodp	plains and Wetlands Statement (30 TAC §330.61(m))I/II-18	
	3.5.1	FloodplainsI/II-18	
	3.5.2	WetlandsI/II-18	
3.6	Protec	tion of Endangered or Threatened Species (30 TAC §330.61(n))I/II-18	
3.7	Site-Specific Conditions Requiring Special Design Considerations (30 TAC §330.61(a)) I/II-18		

#### TABLES

- I/II-1.1 Required Permits/Authorizations
- I/II-3.1 Land Use within a One-Mile Radius
- I/II-3.2 Census Population and Projected Estimates for Hunt County, 2020-2050
- I/II-3.3 Existing and Future Traffic Volumes for State Highway 24
- I/II-3.4 Facility Generated Traffic

#### **APPLICATION FORMS**

Part I Application Form TCEQ Core Data Form

#### DOCUMENTATION

Legal Description Legal Authority Evidence of Competency Appointment Property Owner Affidavit

#### FIGURES

- I/II-1 Site Location Map
- I/II-2 General Topographic Map
- I/II-3 Aerial Photograph
- I/II-4 Land Ownership Map
- I/II-5 Land Use Map
- I/II-6 Site Layout Plan
- I/II-7 Transportation Map
- I/II-8 US Fish and Wildlife Wetlands Map
- I/II-9 Floodplain Map

#### APPENDICES

- I/II-A Permit Related Correspondence
  - I/II-A.1 NCTCOG Correspondence
  - I/II-A.2 Archaeological/Historical Quality Review Correspondence
  - I/II-A.3 TXDOT Correspondence
- I/II-B Wetlands Determination and Endangered or Threatened Species Assessment
- I/II-C Oil and Water Well Location Summary
- I/II-D Land Ownership List



SCS Engineers TBPE Reg. # F-3407

#### Transfer Station Solutions Highway 24 Transfer Station Supplementary Technical Report

This Supplementary Technical Report has been prepared in accordance with 30 TAC §305.45(a)(8). Transfer Station Solutions, LLC is applying to the Texas Commission on Environmental Quality (TCEQ) for a Type V MSW facility permit for a transfer station in Hunt County.

The transfer station will be located on a 5.9-acre tract located approximately four miles north of Campbell, Texas at 3491 State Highway 24 (SH 24). This tract is on the east side of SH 24 approximately 0.4 mile north of the intersection of SH 24 and Country Road 4317. The sole access road that will be used by vehicles accessing the facility is SH 24. In the vicinity of the transfer station, SH 24 is a two-lane asphalt-surfaced road maintained by the Texas Department of Transportation (TxDOT). There are no weight restrictions on this road other than the legal load limit of 80,000 pounds. The on-site road from SH 24 to the transfer station will be a paved, all-weather road.

The types of solid waste to be accepted at the transfer station include the following: municipal solid waste, construction-demolition waste, yard waste, and Class 2 and 3 nonhazardous industrial solid waste. Consistent with 30 TAC §330.15(e), the facility will not accept regulated hazardous waste, Class 1 industrial solid waste, PCBs, and all other prohibited waste defined therein.

All waste unloading and loading onto transfer trailers will be conducted within the transfer station building.

This transfer station will serve residences and businesses in Hunt County and surrounding counties. The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimate to be approximately 1,000 tons per day, or 312,000 tons per year. The annual waste transfer rate, described above, is based on 312 operating days per year.

The North Central Texas Council of Governments (NCTCOG) has developed the Regional Solid Waste Management Plan (RSWMP) for a 16 county region, which includes Hunt County. NCTCOG's RSWMP is presented in "Planning of Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. This RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed transfer station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

## 1 PROPERTY AND OWNERSHIP SUMMARY

The property ownership information for the Highway 24 Transfer Station is summarized in the following sections.

## 1.1 FACILITY LOCATION AND HISTORY (30 TAC §330.59(b))

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24), 0.4 mile north of the intersection of County Road 4317 (CR 4317) and SH 24. The site location is shown on Figure I/II-1. Additionally, a general topographic map is included as Figure I/II-2, an aerial photograph showing the site and access roads is included as Figure I/II-3, and surrounding land-use map is included as Figure I/II-5.

The transfer station property has not previously been used for solid waste operations.

The physical address for the transfer station property is 3491 Highway 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N 33.196833° latitude and W 95.923194° longitude.

## 1.2 PROPERTY DESCRIPTION AND OWNERSHIP INFORMATION (30 TAC §330.59(d))

The transfer station property is comprised of 5.9 acres, which is situated on a larger 52.38 acre property that encompasses the Highway 24 Transfer Station. The 52.38 acre property is depicted on the Boundary Survey, provided in the Legal Description portion of the Documentation section of Parts I/II. Also included in the Documentation section is a metes and bounds legal description and survey plat of the 5.9-acre transfer station property. The 52.38-acre property is owned by Lamar Partners, LLC. Upon issuance of the permit, Transfer Station Solutions will acquire the 5.9-acre parcel from Lamar Partners and submit the appropriate forms to notify the TCEQ of this change.

Ownership information is provided in the Documentation section of Parts I/II, including the legal description and Property Owner Affidavit. Additionally, ownership information is provided on the Part I Application Form (TCEQ-0650), included in the Application Forms section of Parts I/II.

## 1.3 LAND OWNERSHIP AND MINERAL INTEREST OWNERSHIP (30 TAC §330.59(c)(3))

The Hunt County Appraisal District Tax Rolls and Tax Maps were reviewed in 2020 to confirm land ownership within a ¼-mile of the transfer station property, mineral interest owners below the transfer station property, and others potentially affected by the Highway 24 Transfer Station. The land ownership list contains the name and mailing address of each land owner within ¼-mile radius of the transfer station property. The Appraisal District records did not indicate any mineral interest ownership under the property. Reference numbers are used to correlate the ownership shown on the land ownership list with the appropriate tract of land as shown on Figure I/II-4, Land

Ownership Map. The land ownership and mineral rights holder list is included in Part I/II, Appendix I/II-D, Land Ownership List.

### 1.4 EASEMENTS (30 TAC §330.61(c)(10))

There are no existing easements located on the property.

## 1.5 LEGAL AUTHORITY (30 TAC §330.59(e))

The Highway 24 Transfer Station will be owned and operated by Transfer Station Solutions No person or entity other than Transfer Station Solutions will own more than 20% of the proposed transfer station. A copy of a certificate of fact for Transfer Station Solutions, issued by the Texas Secretary of State, is provided in the Legal Authority portion of the Documentation section of Parts I/II.

### 1.6 EVIDENCE OF COMPETENCY (30 TAC §330.59(f))

Transfer Station Solutions and its affiliates have owned or operated several solid waste facilities in Texas. A listing of these sites is included in the Evidence of Competency portion of the Documentation section. Further information on the experience of Transfer Station Solutions' staff is provided in the Evidence of Competency portion of the Documentation section of Parts I/II.

## 1.7 APPOINTMENTS (30 TAC §330.59(g))

Documentation evidencing the appointment of the Authorized Agent for signing authority of the application included in the Appointments portion of the Documentation section of Parts I/II.

## 1.8 APPLICATION FEES (30 TAC §330.59(h))

The required application fee of \$2,050 has been submitted electronically to:

Texas Commission on Environmental Quality Financial Administration Division, MC 214 P.O. Box 13087 Austin, Texas 78711-3087

The ePay trace number and receipt are included with the Part I Application Form provided in the Application Forms section of Parts I/II.

## 1.9 APPLICATION POSTING INFORMATION (30 TAC §330.57(i))

In accordance with 30 TAC 330.57(i)(1), a complete copy of this Permit application is posted to the internet as indicated on the Part I Application Form. All future revisions or supplements to this permit application will also be posted at the same location. This internet posting is for informational purposes only.

In accordance with 30 TAC \$330.57(i)(3), the owner or operator will post notice signs at the site within 30 days of the executive director's receipt of this application. The sign posting is for informational purposes only. The signs will:

- Have a white background and be no smaller than four feet by four feet
- Consist of dark lettering, with letters at least three inches in height and block printed capital lettering
- Identify, as appropriate, that the application is for a proposed facility
- Include the words "For further information on how the public may participate in Texas Commission on Environmental Quality (TCEQ) permitting matters, contact TCEQ," the toll free telephone number for the Office of Public Assistance, and the agency's Web site address
- Include the name and address of the owner or operator
- Include the telephone number of the owner or operator
- Remain in place and legible until the close of the final comment period

As applicable, signs will be located within ten feet of every property line bordering State Highway 24 (SH 24). The signs will be visible from the street and spaced at not more than 1,500-foot intervals. As such, a minimum of one sign, but no more than three signs, will be placed along SH 24.

## 1.10 REQUIRED PERMITS/AUTHORIZATIONS (30 TAC §305.45(a)(7))

In accordance with 30 TAC §305.45(a)(7), the required permits and authorizations for the facility are summarized below in Table I/II-1.1.

Permit/Authorization Status	Program
N/A	Hazardous Waste Management program under the Texas Solid Waste Disposal Act
N/A	Underground Injection Control (UIC) program under the Texas Injection Well Act
N/A	National Pollution Discharge Elimination Systems (NPDES) program under the Federal Clean Water Act (CWA) and Waste Discharge program under the Texas Water Code, Chapter 26
N/A	Prevention of Significant Deterioration (PSD) Program under the Federal Clean Air Act
N/A	Nonattainment Program under the Clean Air Act
N/A	National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act

 Table I/II-1.1
 Required Permits/Authorizations

N/A	Ocean dumping permits under the Marine Protection Research and Sanctuaries Act
N/A	Dredge and fill permits under the Federal Clean Water Act
N/A	Licenses under the Texas Radiation Control Act
RQD	NPDES Stormwater Pollution Control §402 Permit
N/A	U.S. Army Corps of Engineers Dredge and Fill Permit §404
N/A	Subsurface area drip dispersal system permits under the Texas Water Code, Chapter 32
RQD (see note 1 below)	TCEQ Air Quality Permit or Registration

Notes: N/A = Not Applicable

REC = Received RQD = Required APP = Applied For

1. Standard Air Permit for MSW Transfer Stations (30 TAC § 330.981 et seq.).

## 2 FACILITY FEATURES AND WASTE ACCEPTANCE PLAN

The transfer station facility will include the transfer station structure, a scale house with scales, an optional office/break room, water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level building with an above-grade processing floor (tipping floor). To promote efficient traffic flow the building will be open on two sides. The building footprint will be approximately 120 feet wide by 120 feet long with a concrete floor, steel framing, metal exterior panels on two sides, and a roof. The transfer station structure will be setback from SH 24 by approximately 675 feet. A Site Layout Plan is included as Figure I/II-6. As indicated on Figure I/II-6, the inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The general design and construction details for the building components are included in Part III, Attachment 1. The general operations of the transfer station are described in Part IV, Site Operating Plan.

## 2.1 PROPOSED PERMIT

By way of this permit application, Transfer Station Solutions proposes to construct and operate a new Type V MSW transfer station facility in an unincorporated area of Hunt County. The transfer station will have a maximum waste intake of 1,000 tons/day. A Site Layout Plan is included as Part I/II, Figures I/II-6.

# 2.2 SOURCES AND CHARACTERISTICS OF WASTE (30 TAC §330.61(b)(1))

The acceptable wastes classifications, including properties and characteristics, unauthorized or prohibited wastes, general sources and service areas, projected waste acceptance rates, population equivalent for service area, and storage and disposal requirement for the Highway 24 Transfer Station are summarized in the following subsections.

#### 2.2.1 Waste Types and Generation Areas

The Highway 24 Transfer Station is a Type V facility, which will be authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste, and certain types of special waste, provided the special wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Based on the following list of acceptable wastes, there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility. Therefore, the parameter limitations, as required by §330.203(a), are not applicable to this facility.

The proposed transfer station is planned to serve primarily Hunt County and surrounding communities and counties.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste.
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors.
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit).
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls.
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. Only those special waste that do not interfere with site operations will be accepted at this facility including:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate;
  - Nonregulated asbestos-containing materials (Non-RACM) limited amounts of Non-RACM may be accepted with the prior approval of the transfer station manager. Non-RACM will not be subject to any crushing or compaction by which the Non-RACM could be crumbled into a friable state within the transfer station, prior to transport to an authorized disposal facility.
- Construction or demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics.
- Class 2 industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination).
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes:

- Regulated hazardous wastes
- Polychlorinated biphenyls (PCB) waste
- Radioactive waste
- Regulated Asbestos Containing Materials (RACM)
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes)
  - o Class 1 non-hazardous industrial waste
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges
  - Septic tank pumpings
  - Grease and grit trap wastes
  - Waste from commercial or industrial waste water treatment plants air pollution control facilities and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f)
  - o Slaughterhouse wastes
  - o Incinerator ash
  - Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1)
  - Lead acid storage batteries
  - o Used oil
  - Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b).
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the transfer station if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere.
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating

Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) shall not be accepted unless it is:

• Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

#### 2.2.2 Projected Waste Acceptance Rate

The waste acceptance rate in the first year of operation is expected to be approximately 400 tons per day. In accordance with 30 TAC 330.61(b)(1)(B), the projected maximum amount of waste to be received daily and annually for the first five years of facility operation is estimated to be approximately 600 tons per day or 187,200 tons per year. The projected maximum amount of waste to be received daily and annually over the lifetime of the facility is estimated to be approximately 1,000 tons per day, or 312,000 tons per year. However, the facility is not currently expected to reach the projected maximum amount for several years.

#### 2.2.3 Population Equivalent

Assuming 5 pounds of waste generated per person per day, the population equivalent (PE) served by the transfer station for the maximum daily acceptance rate of 1,000 tons per day is estimated as follows:

Annual rate per person	= 5 pounds/person/day x 312 days/year ÷ 2,000 pounds/ton
	= 0.78 tons/person/year
PE	= 312,000 tons/year $\div$ 0.78 tons/person/year
	= 400,000 persons

#### 2.2.4 Waste Storage and Disposal

The maximum volume of waste that will be stored overnight at the transfer station at any given time is 500 tons. No storage of waste materials will occur off the tipping floor, with the exception of temporary storage within the confines of a covered transfer trailer awaiting transport to a disposal facility. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The maximum volume of waste that can be stored at the transfer station under these circumstances is 500 tons. The maximum holding time under these circumstances will not exceed 72 hours.

During time periods, including holidays, the solid waste may be temporarily stored at the site not to exceed 72 hours. If waste remains on the tipping floor during these periods, tarps will be used to cover the waste to control potential odors, flies and other vectors.

All wastes, except for incidental whole used or scrap tires, will be transferred to a landfill permitted by the TCEQ. Whole used or scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations. Tires that are split in half, quartered or shredded, or subject to an agency exception, will be transferred to permitted landfill for disposal.

## 2.3 REGIONAL SOLID WASTE MANAGEMENT (30 TAC §330.61(p))

Consistent with 30 TAC §330.61(p), Parts I and II of the Permit application are being submitted for review to North Central Texas Council of Governments (NCTCOG) to demonstrate compliance with the Regional Solid Waste Management Plan (RSWMP). The NCTCOG is an intergovernmental planning agency that serves a 16 county region (including Hunt County), encompassing the Dallas/Fort Worth area. NCTCOG's RSWMP is presented in "Planning for Sustainable Materials Management in North Central Texas, 2015 – 2040), dated October 2015. NCTCOG's RSWMP includes goals for adequate solid waste transportation, disposal, handling, and management while preventing adverse health, social, economic, and environmental impacts. The proposed Highway 24 Transfer Station is not only consistent with the goals of the RSWMP, this facility will contribute to achieving and maintaining these goals.

A letter is being sent to NCTCOG summarizing the proposed permit application and transmitting a copy of Parts I and II of this application for review. A letter is also being sent to Hunt County consistent with 30 TAC §330.61(p). Copies of these letters and the related correspondence is included in Part I/II, Appendix I/II-A.1.

## 3 EXISTING CONDITIONS SUMMARY

In accordance with 30 TAC §330.61, the following sections include the required portions of Part II of the Permit application that summarize the existing conditions of both the transfer station property and the surrounding area. The main topics include land use and zoning, population and community growth trends, locations of water and oil/gas wells, prevailing wind direction, transportation analysis, general geology, soils, groundwater and surface water information, floodplains, wetlands, and threatened and endangered species.

## 3.1 IMPACT ON SURROUNDING AREA (30 TAC §330.61(H))

A land use and zoning compatibility analysis was performed for the Highway 24 Transfer Station. The results of the analysis are summarized in the following sections.

#### 3.1.1 Zoning

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas. Hunt County has not established zoning requirements for the area in which the transfer station will be located; therefore, there are no zoning restrictions for the facility. The facility is subject to permitting by Hunt County for construction.

#### 3.1.2 Character of Surrounding Land Use

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map. The map was prepared based on a field reconnaissance study (SCS, February 2020) and a review of recent aerial photographs (GoogleEarth<sup>TM</sup>) of the surrounding area. Within one mile of the site, the land uses include open space, forested areas, and agriculture, as well as limited commercial, residential and institutional. Scattered homes are located within a one-mile radius of the site. The breakdown of overall land use within the one-mile radius is shown on Table I/II-3.1.

Land Use	Area (in	Percentage of Total
Agricultural	108.7	4.7
Commercial	152.9	6.5
Institutional	490.3	21.0
Residential	126.9	5.4
Water Bodies	54.8	2.3
Highway 24 Transfer Station Facility	5.9	0.3
Open Space (including undeveloped or forested	1397.5	59.8
Total	2337.0	100.0%

 Table I/II-3.1: Land Use within a One-Mile Radius

#### 3.1.3 **Population and Community Growth Trends**

The site is located within unincorporated Hunt County. According to the United States Census Bureau, the population for Hunt County for 2010 was 86,129; the 2018 estimate for the County is

95,960. The nearest city to the transfer station property is Campbell, Texas, located to the south approximately 3.7 miles from the facility. Campbell, TX had a population of 638, according to the 2010 U.S. Census. Greenville, the seat of Hunt County, is located to the southwest approximately 13 miles from the facility. According to the U.S. Census Bureau, the population of Greenville for 2010 was 25,557; the 2018 estimate for the City was 27,060.

#### 3.1.4 Growth Trends

The North Central Texas Council of Governments and Texas Demographic Center have projected the population for Hunt County as listed in Table I/II-3.2.

Year	Projected Population of Hunt County	Source
2020	99,280	North Central Texas Council of Governments
2030	104,802	Texas Demographic Center
2040	112,406	Texas Demographic Center
2050	120,121	Texas Demographic Center

#### Table I/II-3.2: Census Population and Projected Estimates for Hunt County, Texas 2020-2050

#### 3.1.5 Proximity to Residences and Other Uses

Consistent with 30 TAC §330.61(h)(4), the following paragraphs describe specific uses of the properties within a one-mile radius of the facility. The locations of ponds, licensed day care facilities, residences, churches, parks, cemeteries, commercial and industrial areas within a one-mile radius of the facility are shown on Part I/II, Figure I/II-5 and are discussed in further detail in the following paragraphs. As described below, there are no known churches, licensed daycare facilities, parks and recreational areas, hospitals, or cemeteries were identified within one mile of the facility. Also, as addressed in the letter to the Texas Historical Commission, no archeological or historical sites, or sites with exceptional aesthetic qualities have been identified on the site (see Appendix I/II-A.2).

#### Ponds and Lakes

All ponds and bodies of water within a one-mile radius of the site are shown on Part I/II, Figure I/II-5.

#### <u>Residential</u>

A driving survey of the area in February 2020 and review of recent aerial photography shows approximately 90 residences within one mile of the facility. Whereas the transfer station is located on SH 24, approximately 65 of the residences are located with access to FM 1568. The nearest habitable structure is located approximately 150 feet northeast of the facility permit boundary. All residential areas are shown on the Land Use Map, provided as Figure I/II-5.

#### <u>Churches</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no churches located within one mile of the facility.

#### Licensed Day Care Facilities

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are no licensed day care facilities located within one mile of the facility.

#### Parks and Recreational Areas

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no parks and recreational facilities located within one mile of the facility.

#### <u>Cemeteries</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known cemeteries located within a one-mile radius of the facility.

#### <u>Hospitals</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no known hospitals located within a one-mile radius of the facility.

#### <u>Schools</u>

A driving survey of the area in February 2020 and review of recent aerial photography indicates that there are no elementary, middle, or high schools located within a one-mile radius of the facility. However, there are facilities associated with Texas A&M University-Commerce, including an animal science educational farm, plant science building, and an observatory. These facilities are denoted as institutional land use, as shown on Figure I/II-5.

#### Commercial and Industrial

A driving survey of the area in February 2020 and review of recent aerial photography indicated that there are approximately 10 businesses within a one-mile radius of the facility. These include both commercial and industrial activities, such as sand suppliers, and a store front sign graphic business. All commercial and industrial areas are shown on the Land Use Map, provided as Figure I/II-5.

#### Historic Site and Cultural Resources

In accordance with 30 TAC §330.61(o), Horizon Environmental Services, a subconsultant to SCS Engineers, sent a letter to the Texas Historical Commission (THC) (1) noting the former use of the site as a soil borrow pit and active borrow pit on three sides of the area proposed for the transfer station and (2) noting the low potential for cultural resources. A copy of the THC correspondence is included in Part I/II, Appendix I/II-A.2.

#### <u>Miscellaneous Uses</u>

Other miscellaneous land uses within a one-mile radius of the facility include an animal hospital and a country club and golf course. These facilities are denoted as commercial land use, as shown on the Land Use Map, provided as Figure I/II-5.

#### 3.1.5.1 Structures and Inhabitable Buildings within 500 Feet of the Site

There is one structure, a building associated with the Plant Sciences Department of the Texas A&M University – Commerce located across SH 24 which is within 500 feet of the facility boundary. In addition, there is one residence located on County Road 4321 approximately 150 feet northeast of the facility boundary.

#### 3.1.6 Oil/Gas and Water Wells

The locations of water and oil/gas wells within one-mile of the Permit boundary of the facility were determined based on search by SCS Engineers of the water and oil and gas well database of the Texas Water Development Board. The well database search is included in Appendix I/II-C, Oil and Water Well Location Summary. No known water wells or oil/gas wells were identified within a 500-foot radius of the facility. One oil/gas well and six water wells were identified within a one-mile radius of the facility. The oil/gas well was drilled in 1953 and is designated as unused.

#### 3.1.7 Prevailing Wind Direction

A wind rose is included on Figure I/II-2 to illustrate the prevailing wind direction. The nearest available wind rose for Greenville, Texas between the years 1979 to 2019 indicates that the prevailing wind is from the south. The wind rose data was obtained from the Iowa Environmental Mesonet.

## 3.2 TRANSPORTATION ANALYSIS (30 TAC §330.61(i))

The transportation analysis includes the following:

- data on the availability and adequacy of roads that the owner or operator will use to access the facility;
- data on the volume of vehicular traffic on access roads within one-mile of the facility, both existing and expected, during the expected life of the facility;
- projected volume of traffic expected to be generated by the facility on the access roads within one-mile of the facility;
- documentation of coordination with the Texas Department of Transportation (TxDOT) for traffic and location restrictions, and all designs associated with the facility entrance and exit as they will be the agency exercising maintenance responsibility for the public roadways involved.

#### 3.2.1 Site Access

Vehicular traffic to the facility will access the facility using SH 24. Public access to the facility will be provided by one entrance located on the east side of SH 24, which runs north/south west

of the site. SH 24 is a 4-lane highway, which consists of two 12-foot asphalt paved lanes in each direction (north/south). An existing driveway serves a business at the location of the proposed transfer station property. This driveway entrance will be improved for the transfer station. As necessary, the Owner will modify the current driveway permit with the Texas Department of Transportation prior to construction of the driveway entrance improvements. The improved site access road will be a 30-foot, two-lane, all-weather on-site road to accommodate two-way traffic entering and exiting the facility. The driveway for this on-site road intersects SH 24 at an approximate 90-degree angle at a location with no sight restrictions or conflicts that impair the turning of the vehicles or the view of drivers on SH 24. Vehicles that turn into the proposed facility entrance driveway at SH 24 (see Part I/II, Figure I/II-6 – Site Layout Plan) will have approximately 445 feet of queuing distance before they reach the scale house. The site exit will be controlled by a stop sign. Traffic flow directions are also provided on Figure I/II-6.

Based on the information above, SH 24, which provides access to the facility, is considered adequate in capacity and structure to continue to serve the needs of the owner or operator and the general public. Subject to coordination with TxDOT and Hunt County, public roadway improvements are not proposed, such as turning lanes, storage lanes, etc., associated with the site entrance/exit.

Coordination with TxDOT and Hunt County is included in Appendix I/II-A.3.

#### 3.2.2 Traffic Volumes

All traffic will access the facility via the entrance off of SH 24. Within one-mile of the facility, no other county roads will be used for vehicles to access the facility. The 2019 TxDOT daily traffic volumes in the vicinity of the facility were obtained, which represent the average two-way traffic passing a specific location in a 24-hour period. Future traffic is projected through the year 2050 based on TxDOT data and generated facility traffic volumes discussed in Section 3.2.3. While the expected life for many transfer stations, including this one, may vary determined to various future factors, which could change over time. However, for this analysis we evaluated traffic impacts over approximately the next 30 years, which we believe are representative of the maximum traffic volume to be expected at this facility. The existing traffic volumes for roadways within three miles of the facility are shown on Figure I/II-7. Table I/II-3.3 includes traffic count data for the SH 24 access road based on existing and future projected data based on the projected population growth and facility generated traffic.

Table I/II-3.3	: Existing and	<b>Future Tra</b>	ffic Volumes fo	or State Highway 24

Year	Volume <sup>1,3</sup>
2019 <sup>2</sup>	10,215
2022	10,498
2050	12,623

- 1. Traffic volumes are in units of vehicles per day.
- 2. Source: Texas Department of Transportation, Traffic Analysis
- 3. Assumes traffic increase is proportional to population increase, in addition to facility generated traffic (see Table I/II-3.3). Texas Demographic Center forecast for Hunt County includes average population increase of 0.64% per year.

#### 3.2.3 Facility Generated Traffic Volumes

Traffic generated by the facility is estimated based on the projected incoming waste rate and assumptions regarding the vehicles used for waste transport in and out of the facility. The maximum total volume of traffic generated by the facility is expected to be approximately 370 round trips per day, as shown in Table I/II-3.4.

	Round Trips per day		
	At Initial Waste Acceptance	At Max Waste Acceptance	
Vehicle Type	Rate (400 tons/day)	Rate (1000 tons/day)	
Haul Trucks	53	107	
Transfer Trailers	17	35	
Citizens with waste in small	10	20	
vehicles			
Transfer Station Operators'	2	4	
Personal Vehicles			
Office Personnel Vehicles	2	4	
Other (Vendors, etc.)	2	4	
Total:	86	174	

Table	I/II-3.4:	Facility	Generated	Traffic
I UDIC		I actively	O chici accu	IIuiiic

Comparison of the traffic to be generated at the facility with the traffic data on Table I/II-3.3 shows that the volume of the traffic generated by the facility represents a relatively small percentage of the projected volume on the access road, SH 24, intended for use by the facility within one-mile of the facility. Based on the findings of this traffic study, there are no existing or future restrictions on the main access roadway (SH 24) within one-mile of the facility that would prevent safe and efficient operations for both the transfer station-generated traffic, as well as the other vehicles in the area.

#### 3.2.4 Airport Locations

30 TAC §330.545, related to airport safety, is not applicable to transfer stations.

#### 3.2.5 **TxDOT Correspondence**

In accordance with 30 TAC §330.61(i)(4), TxDOT was contacted for any traffic or location restrictions which may apply to the facility. A copy of all correspondence with TxDOT is included in Parts I/II, Appendix I/II-A.3.

## 3.3 GENERAL GEOLOGY AND SOILS STATEMENT (30 TAC §330.61(j))

In accordance with 30 TAC §330.61(j), a general discussion of the geology and soils at the transfer station property is included in the following sections.

#### 3.3.1 Physiography and Topography

The facility is located in Hunt County, Texas. The topography of the area surrounding the property is dominated by gently rolling prairie trending from a topographic high south of the facility. The facility is located in the physiographic region known as the Blackland Prairie. Low rolling terrain is the typical topographic expression in the area. The approximate existing ground elevation of the facility ranges from 542 to 524 ft-msl from the south to the northwest.

#### 3.3.2 Geologic Setting

Based on available data, the property is located within the depositional belt of the upper Cretaceous-age Navarro group (Ashworth, 1988; Ashworth and Hopkins, 2011). The uppermost unit of the Navarro group is the Kemp Clay, a dark-medium gray calcareous silty clay, followed by the Corsicana Marl, a relatively thin layer, consisting of sandy mudstone or hard, calcareous sandstone and siltstone. Stratigraphically below the Upper Navarro Clay and Marl is the Nacatoch Formation (Nacatoch Sand) comprised of sequences of sandstone and mudstone. Sandstone layers consist predominantly of rounded, moderately sorted to well sorted, fine-grained sand and silt which is moderately consolidated to unconsolidated with occasional thin, calcite-cemented layers. The lowest unit of the Navarro group is the Neylandville Marl, a medium-gray, calcareous, silty, sandy clay.

#### 3.3.3 On-Site Soils

The facility property is composed entirely of one soil type, according to the Natural Resource Conservation Service's Soil Geographic Database for Hunt County (TX231, September 16, 2019): Axtell loam. Axtell loam consists of moderately well drained, high runoff, moderately low to moderately low permeable soils that are derived from clayey alluvium of Pleistocene age derived from mudstone. Typically, the Axtell loam is found on 1-5 percent slopes.

## 3.4 GROUND AND SURFACE WATER STATEMENT (30 TAC §330.61(k))

In accordance with 30 TAC §330.61(k), a general discussion of the groundwater and surface water conditions of the property are included in the following sections.

#### 3.4.1 Groundwater Conditions

The Nacatoch Aquifer is a State of Texas-defined minor aquifer that exists beneath the facility occurring in a narrow band across northeast Texas (Ashworth and Hopkins, 2011). The aquifer consists of the Nacatoch Sand, composed of sequences of sandstone separated by impermeable layers of mudstone or clay. The number of sand layers varies throughout the Nacatoch's extent, and the thickness of individual sand units ranges from more than 100 feet in the north to less than 20 feet to the south. Thickness of intervening mudstone units similarly ranges from more than 100 feet to only a few feet. Freshwater saturated thickness averages about 50 feet. The aquifer also includes a hydraulically connected cover of alluvium that is as much as 80 feet thick along major

drainages. Groundwater in this aquifer is usually under artesian conditions except in shallow wells where the Nacatoch Formation crops out and water table conditions exist.

#### <u>References:</u>

Ashworth, J.B., 1988, Groundwater Resources of the Nacatoch Aquifer: Texas Water Development Board Report 305

Ashworth, J.B. and Hopkins J.H., 2011, Aquifers of Texas: Texas Water Development Board Report 380, 133 p.

#### 3.4.2 Surface Water Features

The property generally slopes at an approximately average 2.5% slope from the southeast to the northwest to the South Sulphur River Tributary 9, which traverses across the western portion of the property, parallel to SH 24. Based on the topography of the property and surrounding properties, storm water run-on will occur from off-site properties to the south and southwest and will flow across the property in a general south/southwest to northwest direction. An existing culvert structure of two, 42-inch CMP culverts currently handles stormwater flow near the transfer station property entrance. This culvert structure will be extended with the widening of the entrance road.

#### 3.4.3 Texas Pollutant Discharge Elimination System

Liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water contamination. The transfer station is designed to prevent discharge of pollutants into waters of the State or waters of the United States, as defined by the Texas Water Code and the Federal Clean Water Act, §402, as amended, respectively.

Consistent with TCEQ requirements, a Notice of Intent (NOI) will be submitted to the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to the commencement of transfer station operations to obtain coverage under the Texas Pollutant Discharge Elimination System (TPDES) General Permit, TXR050000 for Stormwater Discharges associated with Industrial Activity. In addition, an NOI will be submitted the TCEQ and a Stormwater Pollution Prevention Plan will be developed prior to construction to obtain coverage under the TPDES General Permit, TXR150000 for Stormwater Discharges Associated with Construction Activity.

The owner will obtain appropriate approvals or permits that may be required by local agencies for installation of an on-site domestic wastewater management system.

## 3.5 FLOODPLAINS AND WETLANDS STATEMENT (30 TAC §330.61(m))

#### 3.5.1 Floodplains

The Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) that includes the subject facility area (Hunt County, Texas and Incorporated Areas: Map No. 48231C0285G, Revised January 6, 2012) was reviewed and is included as Figure I/II-9. The transfer station facility and access road will not be constructed within the 100-year floodplain or floodway.

#### 3.5.2 Wetlands

As part of the "Protected Species Habitat Assessment", Integrated Environmental Solutions, LLC (IES) performed a wetlands review for the transfer station property. The purpose of this review was to determine the approximate sizes and locations of wetlands (if any) within the facility boundaries according to the Texas Water Code (TWC) §11.502. The IES report indicates that "...the survey area was void of wetlands..." and includes a US Army Corps of Engineers' Wetlands Determination Form that provides documentation that the proposed permit area does not include any of the characteristics of a wetland and is not within a wetland.

A copy of IES's study report is included in Appendix I/II-B.

## 3.6 PROTECTION OF ENDANGERED OR THREATENED SPECIES (30 TAC §330.61(n))

IES performed a Protected Species Habitat Assessment for the transfer station property in accordance with the requirements of the Endangered Species Act and 30 TAC §330.61(n). IES concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

A copy of the threatened and endangered species assessment conducted by IES is included in Part I/II, Appendix I/II-B.

## 3.7 SITE-SPECIFIC CONDITIONS REQUIRING SPECIAL DESIGN CONSIDERATIONS (30 TAC §330.61(a))

In accordance with 30 TAC §330.61(a), the requirements of 30 TAC §330.61(h) through (o) have been evaluated and discussed in the above Sections 3.1 through 3.6 of the existing conditions summary. There are no special design considerations or possible mitigation of conditions required at the facility.

## **APPLICATION FORMS**

Applicant's Ex. 1, p. 001102

## PART I APPLICATION FORM

Applicant's Ex. 1, p. 001103

Facility Name: Highway 24 Transfer Station Permittee/Registrant Name: Transfer Station Solutions, LLC MSW Authorization #: Initial Submittal Date: 8/12/2021 Revision Date:

**Texas Commission on Environmental Quality** 



Part I Application Form for New Permit, Permit Amendment, or Registration for a Municipal Solid Waste Facility

1. Reason for Submit	tal	
🛛 Initial Submittal	Notice of Deficiency (NOD) Response	
2. Authorization Type	•	
🛛 Permit	Registration	
3. Application Type		
🛛 New Permit 🗌 Perr	nit Major Amendment 🗌 Permit Major Amendment (Limited Scope)	
New Registration		
4. Application Fees		
Amount Solution States A Stat	and Permit Amendments	
5. Application URL		
Is the application subm	nitted for a Type I Arid Exempt (AE) or Type IV AE facility?	
If the answer is "No", provide the URL address of a publicly accessible internet web site where the application and all revisions to that application will be posted. http://https://www.scsengineers.com/state/hwy-24-transfer-station/hwy-24-transfe		

6. Application Publishing		
Party Responsible for Publishing Notice:		
□ Applicant □ Agent in Service ⊠ Consultant		
Contact Name: Ryan Kuntz, P.E. Title: Vice President		
7. Alternative Language Notice		
Is an alternative language notice required for this application? (For determination refer to Alternative Language Checklist on the Public Notice Verification Form TCEQ-20244-Waste)		
8. Public Place Location of Application		
Name of the Public Place: Commerce Public Library		
Physical Address: 1210 Park Street		
City: Commerce County: Hunt State: TX Zip Code: 75428		
(Area code) Telephone Number: 903-886-6858		
9. Consolidated Permit Processing		
Is this submittal part of a consolidated permit processing request, in accordance with 30 TAC Chapter 33?		
□ Yes		
If "Yes", state the other TCEQ program authorizations requested:		
10. Confidential Documents		
Does the application contain confidential documents?		
If "Yes", cross-reference the confidential documents throughout the application and submit as a separate attachment in a binder clearly marked "CONFIDENTIAL."		

11. Permits and Construction Approvals								
Permit or Approval	Received	Pending	Not Applicable					
Hazardous Waste Management Program under the Texas Solid Waste Disposal Act			$\boxtimes$					
Underground Injection Control Program under the Texas Injection Well Act			$\boxtimes$					
National Pollutant Discharge Elimination System Program under the Clean Water Act and Waste Discharge Program under Texas Water Code, Chapter 26		$\boxtimes$						
Prevention of Significant Deterioration Program under the Federal Clean Air Act (FCAA). Nonattainment Program under the FCAA			$\boxtimes$					
National Emission Standards for Hazardous Air Pollutants Preconstruction Approval under the FCAA			$\boxtimes$					
Ocean Dumping Permits under the Marine Protection Research and Sanctuaries Act			$\boxtimes$					
Dredge or Fill Permits under the CWA			$\boxtimes$					
Licenses under the Texas Radiation Control Act			$\boxtimes$					
Other (describe)								
Other (describe)								
Other (describe)								
Other (describe)								

#### **12.** General Facility Information

Facility Name: Highway 24 Transfer Station

Contact Name: Josh Bray

Title: President

MSW Authorization No. (if available):

Regulated Entity Reference No. (if issued)\*: RN

Physical or Street Address (if available): 3491 Hwy 24

City: Campbell County: Hunt State: TX Zip Code: 75422

(Area Code) Telephone Number: 903-517-6268

Latitude (Degrees, Minutes Seconds): 33°11'48.6"

Longitude (Degrees, Minutes Seconds): 95°55'23.5"

Benchmark Elevation (above mean sea level): **528.547**ft.

Provide a description of the location of the facility with respect to known or easily identifiable landmarks: **0.4 mile north of County Road 4317 on State Highway 24** 

Detail access routes from the nearest United States or state highway to the facility: **0.4** mile north of County Road 4317 on State Highway 24

\*If this number has not been issued for the facility, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Facility as the Regulated Entity.

13. Facility Type(	(s)						
🗌 Туре I	🗌 Туре	e IV 🛛 Type V					
🗌 Туре I АЕ	🗌 Type IV AE	Type VI					
14. Activities Con							
15. Facility Waste	e Management	Unit(s)					
Landfill Unit(s)		Incinerator(s)					
Class 1 Landfill	Unit(s)	Autoclave(s)					
Process Tank(s)	)	Refrigeration Unit(s)					
Storage Tank(s	)	Mobile Processing Unit(s)					
Tipping Floor		Type VI Demonstration Unit					
🗌 Storage Area		Compost Pile(s) and/or Vessel(s)					
Container(s)		Other (specify):					
Roll-off Boxes		Other (specify):					
Surface Impour	ndment	🛛 Other (specify) <b>transfer station</b>					
16. Description of	f Proposed Fac	ility or Changes to Existing Facility					
Provide a brief des the proposed chan amendment. <b>non-hazardous v</b>	Provide a brief description of the proposed activities if application is for a new facility, or the proposed changes to an existing facility or permit conditions if the application is for an amendment. non-hazardous waste transfer station						
17. Facility Conta	ct Information						
Site Operator (P	ermittee/Regis	strant) Name: Transfer Station Solutions, LLC					
Customer Reference	ce No. (if issued	)*: CN					
Contact Name: Jo	sh Bray	Title: President					
Mailing Address: P.O. 6427							
City: Paris County: Lamar State: TX Zip Code: 75461							
(Area Code) Telephone Number: 903) 517-6268							
Email Address: joshbray@suddenlinkmail.com							
TX Secretary of St	ate (SOS) Filing	Number: 802693685					
*If the Site Operator (Permittee/Registrant) does not have this number, complete a TCEQ Core Data Form (TCEQ-10400) and submit it with this application. List the Site Operator (Permittee/Registrant) as the Customer.							

	Operator Name <sup>1</sup> : Same as Site C	Operator /	Permittee
	Customer Reference No. (if issued)	*:	
	Contact Name:	Title:	
	Mailing Address:		
	City: County: State	:e: Z	۲ code:
	(Area Code) Telephone Number:		
	Email Address:		
	TX SOS Filing Number:		
	<sup>1</sup> If the Operator is the same as Site Operato *If the Operator does not have this number, this application. List the Operator as the cus	or/Permittee typ , complete a TC stomer.	e "Same as "Site Operator (Permittee/Registrant)". EQ Core Data Form (TCEQ-10400) and submit it with
	Consultant Name (if applicable)	): SCS Engi	1eers
	Texas Board of Professional Engine	ers Firm Reg	jistration Number: <b>F-3407</b>
	Contact Name: Ryan Kuntz		Title: Vice President
	Mailing Address: 1901 Central Dr	rive, Suite 5	550
	City: Bedford County: Tarrant S	State: <b>TX</b> Zi	p Code: <b>76021</b>
	(Area Code) Telephone Number: (8	817) 571-22	288
	E-Mail Address: rkuntz@scsengin	eers.com	
	Agent in Service Name (require	d only for c	out-of-state):
	Mailing Address:	-	-
	City: County: State	:e: Z	۲ code:
	(Area Code) Telephone Number:		
	E-Mail Address:		
	18. Facility Supervisor's License	1	
	Select the Type of License that the Chapter 30, Occupational Licenses facility operations. Class A Class B	Solid Waste and Registra	Facility Supervisor, as defined in 30 TAC itions, will obtain prior to commencing
_			
	19. Ownersnip Status of the Faci	iiity	

Corporation	🛛 Limited Partnership	Federal Government
🗌 Individual	City Government	Other Government
Sole Proprietorship	County Government	Military
🗌 General Partnership	🗌 State Government	Other (specify):

Does the Site Operator (Permittee/Registrant) own all the facility units and all the facility property?

🗌 Yes 🛛 🖾 No

If "No", provide the information requested below for any additional ownership.

**Owner Name: Lamar Partners, LLC** 

Street or P.O. Box: 3737 Lamar Ave.

City: Paris County: Lamar State: TX Zip Code: 75460

(Area Code) Telephone Number: 903-784-4321

Email Address (optional): brad.drake@lamarteam.com

#### 20. Other Governmental Entities Information

Texas Department of Tran	sportation D	District: Greenville,Texas						
District Engineer's Name: James Atkins, II, P.E.								
Street Address or P.O. Box: 3001 Interstate Hwy 30 E								
City: Greenville County: Hunt State: Texas Zip Code: 75402								
(Area Code) Telephone Number: 903-335-9506								
E-Mail Address (optional): James.Atkins@txdot.gov								
The Local Governmental A applicable): not applicable	uthority Res SH 24 main	ponsible for Road Maintenance (if Itained by TxDOT						
Contact Person's Name:								
Street Address or P.O. Box:								
City: County:	State:	Zip Code:						
(Area Code) Telephone Numb	per:							
E-Mail Address (optional):								
<b>City Mayor Information</b>								
City Mayor's Name: Carter K	letchem							
Office Address: P.O. Box 27								
City: Campbell County: Hu	nt State: Te	xas Zip Code: 75422						
(Area Code) Telephone Numb	per: <b>903-862</b>	-3191						
E-Mail Address (optional):								
City Health Authority:N.A.								
Contact Person's Name:								
Street Address or P.O. Box:								
City: County:	State:	Zip Code:						
(Area Code) Telephone Numb	per:							
E-Mail Address (optional):								

#### **County Judge Information**

County Judge's Name: **Bobby W. Stovall** Street Address or P.O. Box: **Hunt County Courthouse, 2507 Lee St., 2<sup>nd</sup> Floor** City: **Greenville** County: **Hunt** State: **TX** Zip Code: **75401** (Area Code) Telephone Number: **903-408-4146** E-Mail Address (optional):

County Health Authority: Hunt County Health Department

Contact Person's Name: **N.A.** Street Address or P.O. Box: **2701 Johnson St.** City: **Greenville** County: **Hunt** State: **Texas** Zip Code: **75401** (Area Code) Telephone Number: **903-408-4140** E-Mail Address (optional):

#### **State Representative Information**

District Number: 2 State Representative's Name: Bryan Slaton District Office Address: P.O. Box 2910, Room E2.420 City: Austin County: Travis State: Texas Zip Code: 78768 (Area Code) Telephone Number: 512-463-0880 E-Mail Address (optional): Bryan.slaton@house.texas.gov

#### **State Senator Information**

District Number: 2 State Senator's Name: Bob Hall District Office Address: Alliance Building #2, 6537 Horizon Rd., Ste. B-1 City: Rockwall County: Rockwall State: Texas Zip Code: 75032 (Area Code) Telephone Number: 903-454-2880 E-Mail Address (optional): bob.hall@senate.texas.gov Council of Government (COG) Name: North Central Texas Council of Governments COG Representative's Name: Ms. Cassidy Campbell COG Representative's Title: Sr. Planner, Solid waste mgt. Street Address or P.O. Box: 616 Six Flags Dr. , TX 76011 City: Arlington County: Tarrant State: TX Zip Code: 76021 (Area Code) Telephone Number: 817.608.2368 E-Mail Address (optional): ccampbell@nctcog.org

River Basin Authority Name: N.A								
Contact Person's Name:								
Watershed Sub-Basin Name:								
Street Address or P.O. Box:								
City: County: State: Zip Code:								
(Area Code) Telephone Number:								
E-Mail Address (optional):								
Coastal Management Program								
Is the facility within the Coastal Management Program boundary?								
🗌 Yes 🛛 No								
U.S. Army Corps of Engineers								
The facility is located in the following District of the U.S. Army Corps of Engineers:								
$\square \text{ Albuquerque NM} \square \text{ Galveston TX}$								
$\square$ Ft. Worth, TX $\square$ Tulsa, OK								
Within Extraterritorial Jurisdiction of: <b>N.A.</b>								
Is the facility located in an area in which the governing body of the municipality or county bas prohibited the storage, processing or disposal of municipal or industrial solid waste?								
$\square$ Yes $\square$ No								
If "Yes", provide a copy of the ordinance or order as an attachment.								

#### Signature Page

I, Josh Bray

(Site Operator (Permittee/Registrant)'s Authorized Signatory)

President, (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that gualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:

I,

Date: 8/12/21

TO BE COMPLETED BY THE OPERATOR IF THE APPLICATION IS SIGNED BY AN AUTHORIZED REPRESENTATIVE FOR THE OPERATOR

, hereby designate

(Print or Type Representative Name) (Print or Type Operator Name)

as my representative and hereby authorize said representative to sign any application, submit additional information as may be requested by the Commission; and/or appear for me at any hearing or before the Texas Commission on Environmental Quality in conjunction with this request for a Texas Water Code or Texas Solid Waste Disposal Act permit. I further understand that I am responsible for the contents of this application, for oral statements given by my authorized representative in support of the application, and for compliance with the terms and conditions of any permit which might be issued based upon this application.

Printed or Typed Name of Operator or Principal Executive Officer

Signature

SUBSCRIBED AND SWORN to before me by the said Josh Bray

On this 12th day of <u>August, 2021</u> My commission expires on the <u>24th</u> day of June, 201

otary Public in and for

man\_County, Texas (Note: Application Must Bear Signature & Seal of Notary Public)



Form - Page 9 of 10

## **Part I Attachments**

(See Instructions for P.E. seal requirements.)

Required Attachments	Attachment No.
Supplementary Technical Report	Part I/II Narrative
Property Legal Description	Documentation
Property Metes and Bounds Description	Documentation
Facility Legal Description	Documentation
Facility Metes and Bounds Description	Documentation
Metes and Bounds Drawings	Documentation
On-Site Easements Drawing	
Land Ownership Map	Figure I/II-4
Land Ownership List	Appendix I/II-D
Electronic List or Mailing Labels	
Texas Department of Transportation (TxDOT) County Map	
General Location Map	Figure I/II-1
General Topographic Map	Figure I/II-2
Verification of Legal Status	Documentation
Property Owner Affidavit	Documentation
Evidence of Competency	Documentation
Additional Attachments as Applicable- Select all those appl	y and add as necessary
🖾 TCEQ Core Data Form(s)	
Signatory Authority Delegation	
🖾 Fee Payment Receipt	
Confidential Documents	
□ Waste Storage, Processing and Disposal Ordinances	
Final Plat Record of Property	
Certificate of Fact (Certificate of Incorporation)	

Assumed Name Certificate

Your transaction is complete. Thank you for using TCEQ ePay.

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt and the vouchers for your records. An email receipt has also been sent.

-Transaction Information-						
mansaction information						
Trace Number:	582EA000443364					
Date:	08/13/2021 11:42 AM					
Payment Method:	CC - Authorization 0000035943					
ePay Actor:	KRYSTAL KUNTZ					
Actor Email:	kkuntz@scsengineers.com					
IP:	99.103.207.251					
TCEQ Amount:	\$2,050.00					
Texas.gov Price:	\$2,096.38*					
* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.						
-Payment Contact Information	]					

Name: ANDREW ARD
Company: SCS ENGINEERS
Address: 1901 CENTRAL DRIVE SUITE 550, BEDFORD, TX 76021
Phone: 817-571-2288

#### Cart Items

Click on the voucher number to see the voucher details.

Voucher	Fee Description	AR Number	Amount
523356	NONHAZARDOUS WASTE PERMIT - NEW & AMENDMENTS (INCLUDING LIMITED SCOPE)		\$2,000.00
523357	30 TAC 305.53B WASTE NOTIFICATION FEE	TCEQ Amount:	\$50.00 \$2,050.00

ePay Again Exit ePay

Note: It may take up to 3 working days for this electronic payment to be processed and be reflected in the TCEQ ePay system. Print this receipt for your records.

Site Help | Disclaimer | Web Policies | Accessibility | Our Compact with Texans | TCEQ Homeland Security | Contact Us Statewide Links: Texas.gov | Texas Homeland Security | TRAIL Statewide Archive | Texas Veterans Portal

© 2002-2021 Texas Commission on Environmental Quality

### TCEQ CORE DATA FORM

Applicant's Ex. 1, p. 001115



## **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

### **SECTION I: General Information**

SECTION	I. Gene												
1. Reason fo	or Submissi	on ( <i>If other is c</i>	hecked pleas	e desc	ribe in :	space	orovide	ed.)					
🛛 New Per	rmit, Registra	ation or Authoriz	zation ( <i>Core</i> )	Data F	orm she	ould be	e subm	nitted n	vith the p	program application	n.)		
Renewal (Core Data Form should be submitted with the renewal form)       Other													
2. Customer	Reference	Number <i>(if iss</i>	ued)	Follo	w this lir	ik to se	arch	3. Re	gulated	Entity Reference	e Number <i>(i</i>	if issued)	
CN				for Cl C	<u>N or RN</u> entral R	numbe egistry*	<u>rs in</u> -	RN	RN				
<b>SECTION</b>	II: Cust	omer Info	rmation										
4. General Cu	ustomer Inf	ormation	5. Effective	Date	for Cus	stomer	' Infor	matior	n Updat	es (mm/dd/yyyy)			
New Cust	tomer Legal Name	e (Verifiable with	n the Texas S	Update Secreta	e to Cus rv of St	stomer ate or	Inform Texas	nation Comp	troller of	Change in Public Accounts)	Regulated E	Entity Ownership	
The Custo	mer Name	e submitted	here may	be up	dated	l auto	mati		based	on what is cu	rrent and	active with the	
Texas Sec	retary of S	State (SOS)	or Texas C	, Comp	troller	of Pl	ublic	Αссс	ounts (	CPA).			
6. Customer	Legal Name	e (If an individual	, print last nam	e first: (	eg: Doe,	John)		<u>li</u>	f new Cu	stomer, enter previ	ous Custom	er below:	
Transfer S	stations S	olutions, LI	.C										
7. TX SOS/CF	PA Filing Nu	umber	8. TX State	Tax ID (11 digits)			9	9. Federal Tax ID (9 digits)			S Number (if applicable)		
80269368	5		3206341	3036		82-1135543 N/A							
11. Type of Customer: Corporation Individual					Pa	rtnership: 🔲 Gener	al 🗌 Limited						
Government:	City Co	unty 🗌 Federal 🗌	] State 🗌 Othe	r		Sole P	roprie	torship		Other:			
<b>12. Number c</b> ⊠ 0-20	o <b>f Employ</b> ee ] 21-100	es 101-250	251-500		501 ar	nd high	er	13. Independently Owned and Operated?         ⊠ Yes       □ No					
14. Custome	r Role (Prop	osed or Actual) -	as it relates to	the Re	gulated	Entity I	isted or	n this fo	orm. Plea	se check one of the	following		
Owner		🛛 Operat	or		0	wner &	Opera	ator					
	nal Licensee	🛛 Respo	nsible Party		U V	oluntar	y Clea	nup Aj	pplicant	Other:			
	Transfer	Station So	lutions, L	LC									
15. Mailing Address:	P O Box	x 6427											
	City ]	Paris		S	State	TX		ZIP	754	51	ZIP + 4		
16. Country M	Mailing Info	rmation (if outsid	de USA)				17. E	-Mail	Addres	S (if applicable)			
					josł	shbray@suddenlinkmail.com							
18. Telephon	ne Number			19. E	xtensi	on or (	Code		~	20. Fax Numbe	r (if applical	ble)	
( 903 ) 571-6268 ( ) -													

#### **SECTION III: Regulated Entity Information**

 21. General Regulated Entity Information (If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)

 New Regulated Entity
 Update to Regulated Entity Name

 Update to Regulated Entity
 Update to Regulated Entity Name

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station
23. Street Address of	3491 H	WY 24		_	_					
(No PO Boxes)	City	Campbell	State	TX	ZIP	75422	ZIP +	4		
24. County	Hunt									
	1	Enter Physical Lo	cation Descrip	tion if no s	treet addre	ss is provided.	1			
25. Description to Physical Location:	0.4 mile north of County Road 4317 on State Highway 24									
26. Nearest City						State	1	Vearest ZIP Code		
Campbell						TX	1	75422		
27. Latitude (N) In Deci	mal:	33.196833°	1.00	28.	Longitude	(W) In Decimal:	95.923	194°		
Degrees	Minutes	S	econds	Deg	rees	Minutes		Seconds		
33	11.1	11	48.6		95	5.1	55	23.5		
29. Primary SIC Code (4	t digits) 30	. Secondary SIC	Code (4 digits)	31. Prim (5 or 6 dig	ary NAICS	Code 32. 5 or	Secondary 6 digits)	NAICS Code		
5093	42	212		56211	1					
33. What is the Primary	Business	of this entity? (	Do not repeat the SI	C or NAICS de	escription.)					
solid waste collect	ion and t	ransportation	-							
				Р	O Box 6427	1				
34. Mailing	-									
Address:	City	Paris	State	ТХ	ZIP	75461	ZIP +	4		
35. E-Mail Address	5:	0.000		joshbray	@suddenl	inkmail.com				
36. Teleph	ione Numbe	er	37. Extens	ion or Cod	e	38. Fax N	umber (if a	oplicable)		
( 903 ) 517-6268						( ) -				
). TCEQ Programs and I rm. See the Core Data Form	D Numbers	Check all Programs or additional guidan	and write in the p	ermits/regist	ration numbe	rs that will be affecte	d by the upda	ates submitted on this		
Dam Safety	Distric	cts	Edwards Ac	juifer	Emissions Inventory Air		Industrial Hazardous Was			
Municipal Solid Waste	New S	Source Review Air	OSSF		Petro	leum Storage Tank	D PWS	D PWS		
	M Storm	Water	Title V Air		Tires	Tiros		Used Oil		

### **SECTION IV: Preparer Information**

Waste Water

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President	
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address	11
(817)358-6105	(817)571-2188	kyard@	scsengineers.com	

Wastewater Agriculture

U Water Rights

### **SECTION V:** Authorized Signature

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Transfer Station Solutions, LLC	Job Title:	President	
Name (In Print):	Josh Bray		Phone:	( 903 ) 517- 6268
Signature:	din		Date:	8/12/21

Voluntary Cleanup

Other:



# **TCEQ Core Data Form**

For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

### **SECTION I: General Information**

SECTION	ection 1. General motimation											
1. Reason for Submission ( <i>If other is checked please describe in space provided.</i> )												
New Permit, Registration of Authorization ( <i>Core Data Form should be submitted with the sense</i> )												
	I (Core Da	ta Form should b	e submitted v	vith the	renew	al form	V		Other			
2. Customer	Referenc	e Number <i>(if iss</i>	ued)	Follov	<u>w this lir</u>	<u>nk to se</u>	arch _	3. Re	egulated	I Entity Reference	e Number (	if issued)
CN				<u>for CN</u> <u>C</u> €	<u>N or RN</u> entral R	numbe egistry*	<u>rs in</u> *	RN	J			
SECTION	II: Cu	stomer Info	ormation									
4. General Cu	ustomer l	nformation	5. Effective	e Date f	for Cu	stomer	<sup>-</sup> Inform	matio	n Updat	es (mm/dd/yyyy)		
New Custo	omer Legal Nar	ne (Verifiable wit		Update Secretar	to Cus	stomer	Inform Texas	ation	ntroller o	Change in	Regulated E	Entity Ownership
The Custo	mer Nar	ne submitted	here may	be up	dated	auto	matic		based	on what is cu	rrent and	active with the
Texas Seci	retary o	f State (SOS)	or Texas C	Compt	troller	r of Pl	ublic	Асси	ounts (	(СРА).		
6. Customer	Legal Nar	me (If an individual	l, print last nam	ne first: e	eg: Doe,	, John)		1	f new Cu	istomer, enter previ	ious Custom	er below:
Lamar Par	tners, L	LC										
7. TX SOS/CF	PA Filing	Number	8. TX State	Tax ID (11 digits)			ç	9. Federal Tax ID (9 digits) 10. DUNS Number			S Number (if applicable)	
11. Type of C	customer:	Corporati	on			Individ	ual	Partnership: 🔲 General 🖾 Limited				
Government:	City 🗌	County 🔲 Federal 🗌	] State 🗌 Othe	r		Sole P	ropriet	etorship Other:				
<b>12. Number c</b>	of Employ ] 21-100	ees	251-500		501 ar	nd high	er	13. Independently Owned and Operated?				
14. Customer	r Role (Pro	oposed or Actual) -	as it relates to	o the Re	gulated	' Entity l	isted or	n this fo	orm. Plea	se check one of the	following	
Owner		Operat	or		0 🗌	wner &	Opera	ator				
	nal Licens	ee 🗌 Respo	nsible Party			oluntar	y Cleai	nup A	pplicant	⊠Other: pr	operty own	ler
	3737 I	Lamar Avenu	e									
15. Mailing Address:	Suite 7	700										
	City	Paris		S	State	TX		ZIP	754	60	ZIP + 4	
16. Country M	Mailing In	formation (if outsi	de USA)				17. E	-Mail	Addres	S (if applicable)		
3							brac	brad.drake@lamarteam.com				
18. Telephon	e Numbe	ſ		19. E	xtensi	on or (	Code	20. Fax Number (if applicable)				ble)
( 903 ) 517-9006						( 903 ) 784-4768						

### **SECTION III: Regulated Entity Information**

**21. General Regulated Entity Information** (*If 'New Regulated Entity" is selected below this form should be accompanied by a permit application*) ⊠ New Regulated Entity □ Update to Regulated Entity Name □ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)

Highway 24 Transfer Station (owned by Transfer Stations Solutions, LLC)

23. Street Address of	3491 HWY 24								
the Regulated Entity: (No PO Boxes)	City	Campbell	State	TX	7IP	75422	7IP + 4		
24. County		cumpten	otuto	11		13422	20.14		
		Enter Physical Loc	ation Descrip	tion if no s	treet addr	ess is provided.			
25. Description to Physical Location:	0.4 mi	0.4 mile north of County Road 4317 on State Highway 24							
26. Nearest City						State	Ne	arest ZIP Code	
Campbell						TX	75	5422	
Campbell 27. Latitude (N) In Deci	mal:			28.	Longitude	TX (W) In Decimal:	75	5422	
Campbell 27. Latitude (N) In Decin Degrees	mal: Minutes	Se	conds	28. Degi	Longitude ees	TX (W) In Decimal: Minutes	75	5422 Seconds	
Campbell 27. Latitude (N) In Decin Degrees 33	mal: Minutes	Se	conds 48.6	28. Degi	Longitude ees 95	(W) In Decimal: Minutes	55	Seconds	
Campbell 27. Latitude (N) In Decin Degrees 33 29. Primary SIC Code (4)	mal: Minutes digits) 30	11 Se D. Secondary SIC C	conds 48.6 ode (4 digits)	28. Degi 31. Prim (5 or 6 dig	Longitude ees 95 ary NAICS	(W) In Decimal: Minutes	55 econdary N/	5422 Seconds 2 AICS Code	

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

solid waste collection and transportation

			Tr	ansfer Stat	ion Solution	s, LLC		
34. Mailing		P O Box 6427						
Audress.	City	Paris	State	тх	ZIP	75461	ZIP + 4	
35. E-Mail Addres	s:			joshbray@	suddenlink	mail.com		
36. Telephone Number		37. Extension or Code			38. Fax Number (if applicable			
(903)	517-6268					(	) -	

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
Municipal Solid Waste	New Source Review Air	OSSF	Petroleum Storage Tank	PWS
Sludge	Storm Water	Title V Air	Tires	Used Oil
Voluntary Cleanup	Waste Water	Wastewater Agriculture	Water Rights	Other:

# **SECTION IV: Preparer Information**

40. Name: Kevin D. Yard, P.E.		41. Title:	Vice President	
42. Telephone Number 43. Ext./Code	44. Fax Number	45. E-Mail	Address	
(817)358-6105	(817) 571-2188	kyard@	scsengineers.com	

### **SECTION V:** Authorized Signature

**46.** By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Lamar Partners, LLC	Job Title:				
Name (In Print):	Brad Drake		Phone:	1903 517-9006		
Signature:	Ysell		Date:	2	122/	21

# DOCUMENTATION

### **LEGAL DESCRIPTION**

As noted in Section 1.2, the transfer station property is comprised of 5.9 acres, which is situated on a larger 52.38 acre property that encompasses the Highway 24 Transfer Station. As such, consistent with 30 TAC §330.59(d), the following legal descriptions include surveyed descriptions of both the 52.38-acre property as well as the 5.9-acre parcel to be permitted for the transfer station. As noted in the drawings, the 5.9-acre parcel is totally encompassed by the 52.38-acre property.

scs engineers August 2021 Transfer Station Solutions, LLC Hunt County, Texas

### EXHIBIT "A"

#### BOUNDARY SURVEY

BEING A BOUNDARY SURVEY DESCRIPTION FOR A 52.38 TRACT OF LAND LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, DESCRIBED AS A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID BOUNDARY SURVEY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for the southwest corner of said 52.38 acre tract, same being the southeast corner of a called 1.247 acre tract recorded in Instrument No. 2009-13858 of the R.R.H.C.TX. described as Tract Two and in the north line of a called 5.0557 acre tract recorded in Document No. 2018-01935 of the Records of Hunt County, Texas (R.H.C.TX.), from which a 1/2-inch iron rod found in the south line of said 1.247 acre tract at the northwest corner of said 5.0057 acre tract tract bears, South 86°34'11" West, a distance of 37.90 feet, said **POINT OF BEGINNING** having grid coordinates of N=7126500.39, E=2756862.87.

**THENCE,** North 02°10'04" East, along the common line of said 52.38 acre tract and said 1.247 acre tract, a distance of 165.53 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said 52.38 acre tract, same being the northeast corner of said 1.247 acre tract and in a south line of a called 10.0037 acre tract recorded in Volume 1701, Page 223 of the Official Public Records of Hunt County, Texas (O.P.R.H.C.TX.);

**THENCE,** South 85°35'48" East, leaving said common line, along said south line, a distance of 52.50 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the southeast corner of said 10.0037 acre tract;

**THENCE,** North 04°30'05" East, along the east line of said 10.0037 acre tract, a distance of 786.57 feet to a 1/2-inch iron rod found for an interior el corner of said 52.38 acre tract, same being the northeast corner of said 10.0037 acre tract;

**THENCE**, North 81°26'44" West, leaving said east line, along the north line of said 10.0037 acre tract, a distance of 414.97 feet to a 1/2-inch iron rod found for the most westerly southwest corner of said 52.38 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way) from which a concrete monument found in said east right-of-way line bears, South 10°01'12" West, a distance of 140.12 feet;

**THENCE**, North 09°24'44" East, leaving said north line, along said east right-of-way line and the most westerly west line of said 52.38 acre tract, a distance of 535.06 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 723.44 feet, along said curve to the right having a radius of 2740.45, a central angle of 015°07'31", with a chord bearing, North 17°03'11" East, and a chord length of 721.35 feet to a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 52.38 acre tract, same being the southwest corner of Lot 7 of the Final Plat of The Meadows at Oak Creek, a called 5.161 acre tract, recorded in Cabinet F, Slide 323 of the Plat Records of Hunt County, Texas (P.R.H.C.TX.);

**THENCE,** North 89°23'29" East, along the common line of said Lot 7 and said 52.38 acre tract, a distance of 556.10 feet to a 1/2-inch iron rod with cap stamped "OWENS RPLS 5387" found in the west line of Lot 5 of the Final Plat of The Meadows at Oak Creek, a called 3.199 acre tract at the southeast corner of said Lot 7, same being the most northerly northeast corner of said 52.38 acre tract;

**THENCE,** South 00°53'41" West, leaving the common line of said Lot 7 and said 52.38 acre tract, along the west line of said Lot 5 and an east line of said 52.38 acre tract, a distance of 123.80 feet to a 1/2-inch iron rod found in said east line at the southwest corner of said Lot 5, same being the northwest corner of a called 10.137 acre tract recorded in Instrument No. 2009-13856 of the R.R.H.C.TX.;

**THENCE**, South 00°55'03" East, leaving said west line of Lot 5, along the west line of said 10.137 acre tract and said east line, a distance of 514.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for an interior el corner of said 52.38 acre tract, same being the southwest corner of said 10.137 acre tract;

**THENCE,** North 89°32'53" East, leaving the west line of said 10.137 acre tract, along the south line of said 10.137 acre tract a distance of 578.64 feet to a 60D nail found in the south line of said 10.137 acre tract at the most easterly northeast corner of said 52.38 acre tract, same being the most westerly northwest corner of a called 54.49 acre tract described in Document No. 2018-01470 of the R.H.C.TX.;

Transfer Station Solutions, LLC Hunt County, Texas

**THENCE,** South 00°42'22" West, leaving the south line of said 10.137 acre tract, along the common line of said 54.49 acre tract and said 52.38 acre tract, a distance of 1317.32 feet to a 1/2-inch iron rod found in said common line at the southwest corner of said 54.49 acre tract, same being the northwest corner of a called 50.1426 acre tract recorded in Volume 666, Page 349 of the Deed Records of Hunt County, Texas, (D.R.H.C.TX.);

**THENCE**, South 01°55'22" West, leaving the common line of said 54.49 acre tract and said 52.38 acre tract, along the common line of said 50.1426 acre tract and said 52.38 acre tract, a distance of 211.59 feet to a 1/2-inch iron rod found at the southeast corner of said 52.38 acre tract, same being the northeast corner of a called 3.41 acre tract recorded in Document No. 2018-10945 of the R.H.C.TX.;

**THENCE,** South 86°33'09" West, leaving the common line of said 50.1426 acre tract and said 52.38 acre tract, along the common line of said 3.41 acre tract and said 52.38 acre tract, a distance of 668.59 feet to a 1/2-inch iron rod with cap stamped "SAM" set in said common line at the northwest corner of said 3.41 acre tract, same being the northeast corner of said 5.0557 acre tract;

**THENCE,** South 86°34'11" West, leaving the common line of said 3.41 acre tract and said 52.38 acre tract, along the common line of said 5.0557 acre tract and said 52.38 acre tract, a distance of 461.03 feet to the **POINT OF BEGINNING**, containing 52.38 acres (2,281,514 square feet) of land, more or less.

#### This description being 52.38 acres (2,281,514 square feet) of land more or less.

Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- 2) A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.

TE OF tas GISTERED A. CLARK CODY 6469 Surveying And Mapping, LL AND 1341 W. Mockingbird Lane, SURV Suite 400W, Dallas, Texas 75247

Cody A. Clark Date Registered Professional Land Surveyor No. 6469 – State of Texas



### EXHIBIT "B"

#### LAMAR PROPERTIES, LLC

#### BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION

BEING A BOUNDARY METES AND BOUNDS DESCRIPTION FOR A TRACT OF LAND FOR A PROPOSED TRANSFER STATION LOCATED IN THE JOHN GRILSKI SURVEY, ABSTRACT NUMBER 395, BEING WITHIN A CALLED 52.311 ACRE TRACT, CONVEYED TO LAMAR PROPERTIES, LLC, RECORDED IN DOCUMENT NO. 2017-13405, REAL RECORDS OF HUNT COUNTY, TEXAS (R.R.H.C.TX.), SAID STATION BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BEGINNING** at a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in a west line of said 52.311 acre tract, same being in the east right-of-way line of State Highway No. 50 (variable width right-of-way), from which a 1/2-inch iron rod found in said east right-of-way line at the most westerly southwest corner of said 52.311 acre tract bears, South 09°29'44" West, a distance of 462.54 feet, said **POINT OF BEGINNING** having grid coordinates of N=7127963.84, E=2756649.28.

**THENCE,** North 09°29'44" East, a distance of 72.52 feet to a concrete monument found in the common line of said east right-of-way line and said west line at the beginning of a curve to the right;

**THENCE**, Northeasterly along said common line a distance of 28.89 feet, along said curve to the right having a radius of 2740.45, a central angle of 0°36'15", with a chord bearing, North 09°47'33" East, and a chord length of 28.89 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station found in said common line, from which a 1/2-inch iron rod with cap stamped "SAM" set for the northwest corner of said 53.211 acre tract bears, northeasterly a distance of 694.55 feet, along a curve to the right having a radius of 2740.45, a central angle of 014°31'17", with a chord bearing, North 17°21'18" East, and a chord length of 692.69 feet;

**THENCE**, over and across said 52.311 acre tract, the following seven (7) courses and distances:

- 1) North 90°00'00" East, leaving said common line, a distance of 463.13 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **2)** South 00°00'00" East, a distance of 18.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **3)** North 90°00'00" East, a distance of 325.00 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- **4) South 00°00'00" East**, a distance of 670.77 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 5) North 81°26'44" West, a distance of 328.66 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 6) North 00°00'00" East, passing a 1/2-inch iron rod with cap stamped "SAM" set at a distance of 60.68 feet, continuing for a total distance of 539.88 feet to a 1/2-inch iron rod with cap stamped "SAM" set for corner of said station;
- 7) North 90°00'00" West, a distance of 480.01 feet to the POINT OF BEGINNING, containing 5.90 acres (257,219 square feet) of land, more or less.

#### This description being 5.90 acres (257,219 square feet) of land more or less.

### Notes

- 1) Bearing basis: Texas State Plane, North Central Zone, NAD83. All distances and coordinates shown are grid values shown in U.S. Survey Feet.
- 2) A Plat of same date accompanies this Description.
- 3) Date of Boundary Survey: Month of January of 2021.





### LEGAL AUTHORITY

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

# Office of the Secretary of State

### CERTIFICATE OF FILING OF

Transfer Station Solutions, LLC 802693685

[formerly: Blossom Prairie Landfill, LLC]

The undersigned, as Deputy Secretary of State of Texas, hereby certifies that a Certificate of Amendment for the above named entity has been received in this office and has been found to conform to the applicable provisions of law.

ACCORDINGLY, the undersigned, as Deputy Secretary of State, and by virtue of the authority vested in the secretary by law, hereby issues this certificate evidencing filing effective on the date shown below.

Dated: 06/10/2019

Effective: 06/10/2019



Jose A. Esparza Deputy Secretary of State

I/II-D9 Come visit us on the internet at http://www.sos.state.tx.us/ August 2021

#### Form 424

Secretary of State P.O. Box 13697 Austin, TX 78711-3697 FAX: 512/463-5709

Filing Fee: See instructions



Certificate of Amendment Filed in the Office of the Secretary of State of Texas Filing #: 802693685 06/10/2019 Document #: 894742690007 Image Generated Electronically for Web Filing

Entity Information

The filing entity is a: Domestic Limited Liability Company (LLC)

The name of the filing entity is: Blossom Prairie Landfill, LLC

The file number issued to the filing entity by the secretary of state is: 802693685

#### Amendment to Name

The amendment changes the formation document of the filing entity to change the article or provision that names the entity. The article or provision is amended to read as follows:

The name of the filing entity is:

Transfer Station Solutions, LLC

A letter of consent, if applicable, is attached.

#### Statement of Approval

The amendment has been approved in the manner required by the Texas Business Organizations Code and by the governing documents of the entity.

#### Effectiveness of Filing

A. This document becomes effective when the document is filed by the secretary of state.

B. This document becomes effective at a later date, which is not more than ninety (90) days from the date of its filing by the secretary of state. The delayed effective date is:

#### Execution

The undersigned signs this document subject to the penalties imposed by law for the submission of a materially false or fraudulent instrument and declares under penalty of perjury that the undersigned is authorized under the Texas Business Organizations Code to execute the filing instrument.

Date: June 10, 2019

#### Josh Bray

Signature of authorized person

FILING OFFICE COPY

Corporations Section P.O.Box 13697 Austin, Texas 78711-3697



Jose A. Esparza Deputy Secretary of State

# Office of the Secretary of State

June 12, 2019

Attn: Pete Benenati

Benenati Law Firm, PC Pete Benenati, 2816 Bedford Road Bedford, TX 76021 USA

----

RE: Transfer Station Solutions, LLC File Number: 802693685

It has been our pleasure to file the Certificate of Amendment for the referenced entity. Enclosed is the certificate evidencing filing. Payment of the filing fee is acknowledged by this letter.

If we may be of further service at any time, please let us know.

Sincerely,

Corporations Section Business & Public Filings Division (512) 463-5555

Enclosure

### EVIDENCE OF COMPETANCY

# Evidence of Competency of Transfer Station Solutions, LLC (TSS)

Josh Bray, president of TSS has over 15 years of experience in the solid waste industry, including landfills, transfer stations and solid waste collections. He first obtained his Class A MSW Operator License in 2017. Mr. Bray graduated from the University of Alabama with a bachelors and a masters degree.

His management responsibilities have included the management and oversight of operations of the following TCEQ permitted municipal solid waste management facilities:

Name of Facility	TCEQ Permit or Registration No.
Fannin Transfer Station	40290
Canton Transfer Station	40266
Pittsburg Transfer Station	40174
Blossom Prairie Type I Landfill	2358

Be it known that

# JOSH A BRAY

has fulfilled the requirements in accordance with the laws of the State of Texas for

### CLASS A MSW OPERATOR

License Number: **SW0006650** Issue Date: **09/21/2020** Expiration Date: **09/29/2023** 

Executive Director Texas Commission on Environmental Quality

Revision 0

Applicant's Ex. 1, p. 001133

August 2021

\@(@\@(@\@(@\@(@\@(@\@

### APPPOINTMENT

# TRANSFER STATION SOLUTIONS, LLC

P. O. Box 6247 Paris, Texas 75461 903-517-268

#### NOTICE OF APPOINTMENT Engineers Appointment

Mr. Toby Baker Executive Director Texas Commission on Environmental Quality P.O. Box 13087 Austin, Texas 78711-3087

Dear Mr. Baker:

This is to advise you that Transfer Stations Solutions, LLC. (TSS) has duly appointed SCS Engineers as consulting and design engineers for the purpose of submitting engineering reports and planning material for a Permit Application for the Highway 24 Transfer Station in Hunt County, Texas. SCS Engineers is an engineering firm employing professional engineers in good standing in accordance with State statutes, and the firm has extensive experience in the design and construction of similar facilities. Mr. Ryan R. Kuntz, P.E. Vice President with SCS Engineers, is the engineer of record for this application.

We herewith authorize you to review and comment on such reports, planning material, and data on this project as SCS Engineers may submit to you.

Sincerely, Transfer Station Solutions, LLC

Josh Bray President

### PROPERTY OWNER AFFIDAVIT

#### PROPERTY OWNER AFFIDAVIT

Lamar Partners, LLC, the owner of record of the properties described in the Legal Description Section of this Parts I/II (see "Boundary Metes and Bounds Description for a Tract of Land for a Proposed Transfer Station" for the 5.9-acre parcel), acknowledges and is aware that Transfer Stations Solutions, LLC plans to file for a permit to operate a solid waste transfer station upon said property.

Lamar Partners, LLC acknowledges that the State of Texas may hold Lamar Partners, LLC either jointly or severally responsible for the operation, maintenance, and closure of the facility.

Lamar Partners, LLC acknowledges the site operator and the State of Texas shall have access to the property during the active life and post-closure care period, if required, after closure for the purpose of inspection and maintenance.

WITNESS MY HAND on this day, June 22, 2021.

Lamar Partners, LLC 3737 Lamar Avenue, Suite 700 Paris, Texas75460

By: Brad Drake, Managing Partner Lamar Partners, LLC

45el V

Signature

SWORN TO AND SUBSCRIBED BEFORE ME by the said Brad Drake this 22 day of , 2021, to certify which witness my hand and seal of office.

Notary Public in and for  $\frac{1}{6}$  County, Texas My commission expires on  $\frac{1}{6}$  -  $\frac{24}{2}$  -  $\frac{3}{2}$ 

Printed Name Jeri Golden



## **FIGURES**



Applicant's Ex. 1, p. 001139



Applicant's Ex. 1, p. 001140



G:\HUNT COUNTY TS\16219083.00 - Permit - MSW Recycling Facility\\_DWG\3 - AERIAL PHOTO igckson. iermon



Applicant's Ex. 1, p. 001141



Applicant's Ex. 1, p. 001142





#### Applicant's Ex. 1, p. 001143

FOR PERMITTING PURPOSES ONLY





FOR PERMITTING PURPOSES ONLY

8/12/2021

Applicant's Ex. 1, p. 001144

FIGURE NO.

I/II-6



#### Applicant's Ex. 1, p. 001145



Applicant's Ex. 1, p. 001146



Applicant's Ex. 1, p. 001147

# **APPENDIX I/II-A**

### PERMIT RELATED CORRESPONDENCE

# **APPENDIX I/II-A.1**

### NCTCOG CORRESPODENCE

# SCS ENGINEERS

August 12, 2021

SCS Project Number 16219083.00

Ms. Cassidy Campbell, Senior Planner/SW Planning & Grants Environment and Development Planner North Central Texas Council of Governments 616 Six Flags Drive Arlington, Texas 76011

Re: Regional Solid Waste Conformance Review Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Ms. Campbell:

As discussed, SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Route 24 (SR 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are approximately 33° 11' 48.6" latitude and 95° 55' 23.5" W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

As you know, TCEQ regulation Title 30 Texas Administration Code (TAC) §330.61(p) requires evidence of coordination with the regional council of government (North Central Texas Council of Governments [NCTCOG]). The purpose of this letter is to inform the NCTCOG of this proposed transfer station, and to demonstrate that this facility complies with the regional solid waste plan. As a part of this coordination with the NCTCOG, TSS is requesting a regional conformance review for the above referenced facility. The following contact information is related to the transfer station permit application:

a. Applicant's Representative:

Josh Bray, President Transfer Station Solutions, LLC P.O. Box 6427 Paris, Texas75461 Phone No. 903.517.6268 joshbray@suddenlinkmail.com Ms. Cassidy Campbell August 12, 2021 Page 2

b. Applicant's Engineer

Ryan R. Kuntz, P.E., Vice President SCS Engineers 1901 Central Drive, Suite 550 Bedford, Texas 76021 (817) 358-6105 kyard@scsengineers.com

c. TCEQ staff person regarding review correspondence

Mr. Chance Goodin, Manager MSW Permits Section, Waste Permits Division Texas Commission on Environmental Quality

12100 Park 35 Circle Austin, Texas 78753 (512) 239 -6616 <u>chance.goodin@tceq.texas.gov</u>

Attachments to this letter are listed at the end of this letter.

Based on our review of the NCTCOG's Regional Solid Waste Management Plan (Plan), as updated in the "Planning for Sustainable Materials Management in North Central Texas", we find the information provided in the attached evaluation form substantiates conformance with this Plan. The following summarizes how the proposed material recovery facility complies with the overall goals and objectives of the solid waste management plan:

- Encouraging the establishment and expansion of transfer stations in rural or underserved areas.
- This proposed facility will aid in reducing incidents of illegal dumping. In conjunction with hauling operations using this facility, this transfer station will assist in meeting the solid waste disposal needs of surrounding communities in Hunt County. This transfer station will provide an additional means to expand solid waste management opportunities.
- Assuring Capacity for Trash: By enabling transport of a significant amount of the materials delivered to the transfer station to a variety of landfills, this transfer station will preserve landfill capacity within the NCTCOG region. This transfer station will provide a means for efficient transportation of solid waste to a greater number of landfills, thereby enhancing the flexibility for this area of Hunt County. Additionally, this transfer station will serve unincorporated areas and surrounding communities in Hunt County. Therefore, this proposed facility will contribute to maintain long-term solid waste capacity for the area.

In view of the above, it is our opinion TSS's transfer station complies with the regional solid waste management plan. On the behalf of TSS, we would appreciate your expediting the review to confirm conformance with the regional solid waste plan. If you have any questions or need additional information, please contact us at (817) 571-2288 or e-mail at <u>rkuntz@scsengineers.com</u> or <u>aard@scsengineers.com</u>.

Ms. Cassidy Campbell August 12, 2021 Page 3

Sincerely,

8

Ryan R. Kuntz, P.E. Vice President SCS Engineers TBPE Registration No. F-3407

al

Andrew Ard, EIT Project Professional SCS Engineers

Att.: Parts I/II of the Permit Application for the Highway 24 Transfer Station in Hunt County

cc: Mr. Josh Bray, President, Transfer Station Solutions Mr. Kevin D. Yard, P.E., BCEE, SCS Engineers
## **APPENDIX I/II-A.2**

## ARCHAELOGICAL/HISTORICAL QUALITY REVIEW CORRESPONDENCE

## **Russ Brownlow**

From:	noreply@thc.state.tx.us
Sent:	Monday, April 26, 2021 1:25 PM
То:	Russ Brownlow; reviews@thc.state.tx.us; yvonna.miramontes@tceq.texas.gov
Subject:	Section 106 Submission

#### [EXTERNAL EMAIL]



Re: Project Review under Section 106 of the National Historic Preservation Act and/or the Antiquities Code of Texas THC Tracking #202107769 Date: 04/26/2021

5.4-acre Hunt County Transfer Station Project 2.8 miles southwest of Commerce Commerce,TX

**Description:** 5.9-acre waste transfer station. Shallow upland soils in disturbed area. Low prob for NRHP/SAL-elig sites. Recommending no survey warranted.

#### Dear Russ Brownlow:

Thank you for your submittal regarding the above-referenced project. This response represents the comments of the State Historic Preservation Officer, the Executive Director of the Texas Historical Commission (THC), pursuant to review under Section 106 of the National Historic Preservation Act.

The review staff, led by Maggie Moore, Caitlin Brashear, has completed its review and has made the following determinations based on the information submitted for review:

#### **Above-Ground Resources**

• No historic properties are present or affected by the project as proposed. However, if historic properties are discovered or unanticipated effects on historic properties are found, work should cease in the immediate area; work can continue where no historic properties are present. Please contact the THC's History Programs Division at 512-463-5853 to consult on further actions that may be necessary to protect historic properties.

#### **Archeology Comments**

- No identified historic properties, archeological sites, or other cultural resources are present or affected. However, if cultural materials are encountered during project activities, work should cease in the immediate area; work can continue where no cultural materials are present. Please contact the THC's Archeology Division at 512-463-6096 to consult on further actions that may be necessary to protect the cultural remains.
- THC/SHPO concurs with information provided.

We look forward to further consultation with your office and hope to maintain a partnership that will foster effective historic preservation. Thank you for your cooperation in this review process, and for your efforts to preserve the irreplaceable heritage of Texas. If the project changes, or if new historic properties are found, please contact the review staff. If you have any questions concerning our review or if we can be of further assistance, please email the following reviewers: Maggie.Moore@thc.texas.gov, caitlin.brashear@thc.texas.gov.

This response has been sent through the electronic THC review and compliance system (eTRAC). Submitting your project via eTRAC eliminates mailing delays and allows you to check the status of the review, receive an electronic response, and generate reports on your submissions. For more information, visit <u>http://thc.texas.gov/etrac-system</u>.

Sincerely,

ithin Brashear

for Mark Wolfe, State Historic Preservation Officer Executive Director, Texas Historical Commission

Please do not respond to this email.

cc: yvonna.miramontes@tceq.texas.gov

[EXTERNAL EMAIL] Exercise caution. Do not open attachments or click links from unknown senders or unexpected email



Environmental Services, Inc.

April 6, 2021

Mr. Mark Wolfe **Texas Historical Commission** P.O. Box 12276 Austin, Texas 78711-2276

> RE: **Initial SHPO Consultation Letter Transfer Station Solutions, LLC Proposed 5.4-acre Hunt County Transfer Station Project** Hunt County, Texas Antiquities Code of Texas (TCEQ) HJN 21019 AR

Mr. Wolfe:

Transfer Station Solutions, LLC (TSS) is proposing to construct the Hunt County Transfer Station Project on a 5.9-acre parcel in eastern Hunt County, Texas (Project Area). The Project Area is privately-owned, and its development will be privately funded and will not require any federal permitting or coordination. However, being a municipal waste transfer station, the undertaking must comply with 30 TAC §330.61(o) of the rules of the Texas Commission on Environmental Quality (TCEQ). The TCEQ requires compliance with the regulations of the Antiquities Code of Texas (ACT) for its permitted projects, even if they are located on privately-On behalf of TSS, SCS Engineers (SCS) has contracted with Horizon owned land. Environmental Services, Inc. (Horizon) to prepare this initial consultation with your office regarding the proposed undertaking in compliance with the ACT.

## **PROJECT DESCRIPTION**

The undertaking consists of a municipal solid waste transfer station that will be permitted by the TCEQ, then constructed on a 5.9-acre parcel located approximately 2.8 miles (4.5 kilometers [km]) southwest of Commerce in eastern Hunt County. It can be found on the US Geologic Service (USGS) 7.5-minute Commerce South, Texas topographic quadrangle map. More specifically, the undertaking consists of: 1) a proposed access road off of State Highway (SH) 24 that measures approximately 525.0 feet (160.0 meters [m]) long by 100.0 feet (30.5 m) wide with an area of 1.2 acres; and 2) an approximately 4.7-acre parcel that will contain the proposed waste transfer station. The Project Area is bordered to the north, south, and west by an active borrow pit that the current private landowner is using to extract sand for retail sale. In addition, roughly the southeastern quarter to eastern half of the 4.7-acre parcel was also historically utilized as a gravel/borrow pit. Maps of the Project Area are enclosed for your review.

### **CORPORATE HEADQUARTERS**

1507 S Interstate 35 \* Austin, TX 78741-2502 \* (512) 328-2430 \* www.horizon-esi.com An LJA Company

I/II-A.2-4



## DATABASE REVIEW

Background research conducted via the Texas Historical Commission's (THC's) *Texas Archeological Sites Atlas* (TASA) online database indicated the presence of no previously recorded archeological sites or cemeteries within a 0.6-mile (1.0-km) perimeter of the Project Area (THC 2021). Similarly, a review of the National Park Service's (NPS) National Register of Historic Places (NRHP) Google Earth map layer indicated the presence of no historic properties listed on the NRHP within the review perimeter (NPS 2020). No documented cultural resources, including any listed on the NRHP or formally designated as State Archeological Landmarks (SALs), are located within or immediately adjacent to the Project Area. Based on the Atlas database, no prior cultural resources surveys have been undertaken within the limits of the current Project Area.

The closest documented cultural resource to the Project Area is a prehistoric encampment with associated human interments. This site, 41HU22, is located approximately 0.8 mile (1.3 km) northwest of the Project Area on a terrace adjacent to the South Sulphur River.

## MAP REVIEW

A review of historic aerial imagery indicted that the Project Area consisted of cleared pastureland since as early as 1956 (NETR 2021). By 1964, the aerial imagery depicts a large gravel pit along the eastern half of the transfer station parcel (NETR 2021). Subsequent aerial imagery dating between 1983 and 2016 show the gravel pit area as reclaimed pastureland (NETR 2021). No structures are present within or immediately adjacent to the Project Area on the aerial imagery at any time between 1956 and the present.

An examination of historic US Geologic Service (USGS) 7.5-minute topographic quadrangle maps indicated the presence of the aforementioned gravel pit, primarily within the southeastern quadrant of the Project Area, on the 1964 and 1968 topographic quadrangles (USGS 1964; NETR 2021). After this date, the gravel pit is no longer present, and the area consists of cleared pastureland (NETR 2021). Again, no structures are present in the vicinity of the current Project Area on topographic quadrangles dating between 1964 and the present.

## SOILS

Only one soil type is mapped within the Project Area. Axtell loam, 1 to 5% slopes (1) is a fine loamy soil found on ridgetops and side slopes above drainageways (NRCS 1939). A typical pedon consists of an A-horizon of fine sandy loam measuring up to 3.1 inches (8.0 centimeters [cm]) thick. This is underlain by clay loam and clay deposits down to depths of 80.0 inches (203.2 cm). As the Project Area is located on an upland that has been cleared in the past and used, in part, as a gravel pit, any cultural deposits within the thin, upper A-horizon, if present, would likely have been disturbed by clearing, root-plowing plowing, and gravel mining activities.



## PROBABILITY ASSESSMENT

Prehistoric archeological sites are commonly found in upland areas and on alluvial terraces near stream/river channels or drainages. Based on the location of the Project Area on an upland dissected by a drainage linked to the South Sulphur River, it is Horizon's opinion that there would normally exist at least a moderate potential for prehistoric cultural deposits within the Project Area. However, based on the shallow nature of the upland soils, coupled with the historic clearing of the area and its partial use as a gravel pit, it is Horizon's further opinion that there now exists a low potential for any intact and stratified prehistoric cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the Project Area.

In regard to historic-era resources, the lack of visible structures in immediate proximity to the Project Area on the reviewed historic topographic quadrangle maps and aerial imagery, coupled with the historic impacts to the shallow upland soils, also suggests a low potential for historicera standing structures or associated cultural deposits that would qualify for inclusion in the NRHP or for formal designation as an SAL within the boundaries of the Project Area.

### RECOMMENDATIONS

Based on the assessed low potential for undocumented and intact cultural resources that would qualify for inclusion in the NRHP or for formal designation as SALs within the current Project Area, it is Horizon's opinion that a formal cultural resources survey of the Project Area is unwarranted. Horizon therefore recommends that TSS be allowed to proceed with the development of the Project Area relative to the jurisdiction of the ACT. However, in the unlikely event that any human remains or burial features are inadvertently discovered at any point during construction, use, or ongoing maintenance of the Project Area, all work at the location of the discovery should cease immediately, and the THC should be notified of the discovery.

Should you concur with Horizon's findings and recommendations, please sign below and return. Otherwise, Horizon requests that your office respond with additional information pertaining to the type and intensity of cultural resources investigations that you require within the Project Area. If you need any additional information, please feel free to call or email me.

Sincerely,

Tun Brownlow

Russ Brownlow, MA, RPA President - Horizon Environmental Services, Inc.

Enclosures (4: project location maps)



## REFERENCES

(Esri) Environmental Systems Research Institute

- 2017 Digital orthographic photography sourced by Esri for ArcGIS Online. <arcgis.com>. Imagery date January 23, 2017. Accessed January 20, 2021.
- (NPS) National Park Service
  - 2021 National Park Service National Register of Historic Places Google Earth Map Layer South Region, <a href="http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html">http://nrhp.focus.nps.gov/natreg/docs/Google\_Earth\_Layers.html</a>. Accessed January 19, 2021.
- (NETR) National Environmental Title Research
  - 2021 Historic Aerials by NETR Online, <a href="http://www.historicaerials.com">http://www.historicaerials.com</a>. Accessed January 20, 2021.
- (NRCS) US Department of Agriculture, Natural Resources Conservation Service
  - 1939 Soil Survey of Hunt County, Texas, <a href="https://www.nrcs.usda.gov/Internet/FSE\_MANUSCRIPTS/texas/TX231/0/Hunt.pdf">https://www.nrcs.usda.gov/Internet/FSE\_MANUSCRIPTS/texas/TX231/0/Hunt.pdf</a>>. Accessed January 19, 2021.
  - 2019 Soil Survey Geographic (SSURGO) Database for Hunt County, Texas.
- (OSM) OpenStreetMap Contributors
  - 2021 *Open Street Map.* <a href="http://www.openstreetmap.org">http://www.openstreetmap.org</a>. Available under the Open Data Commons Open Database License (www.opendatacommons.org/licenses/odbl). Accessed January 20, 2021.

(THC) Texas Historical Commission

2021 *Texas Archeological Sites Atlas Restricted Database*, <http://atlas.thc.state.tx.us/>. Accessed January 19, 2021.

(USGS) US Geological Survey

1964 7.5-minute series topographic map, Commerce South, Texas, quadrangle.

















# **APPENDIX I/II-A.3**

## TXDOT CORRESPONDENCE

# SCS ENGINEERS

July 5, 2021

SCS Project Number 16219083.00

Mr. Noel Paramanantham, P.E. Texas Department of Transportation Interstate Hwy 30 E #3001 Greenville, Texas 75402 Phone No. 903-455-2303

Hand-delivered

Re: Traffic Information Transfer Station Solutions, LLC TCEQ Permit Application for a Transfer Station Hunt County, Texas

Dear Mr. Paramanantham:

SCS Engineers (SCS) is preparing a TCEQ permit application on behalf of Transfer Station Solutions, LLC (TSS) for a municipal solid waste transfer station to be located on State Highway 24 (SH 24), 0.4 mile north of County Road 4317. The address of the facility is 3491 HWY 24, Campbell, Texas, 75422. The approximate coordinates for the transfer station are 33.195944° N latitude and 95.921551° W longitude. We have included maps that illustrate the proposed site location and boundary (see attached).

Since this property has been used previously as a soil borrow site, the driveway access on the northbound side of SH 24 was previously constructed and has been in use since that time. This same driveway will be used for TSS' transfer station. That driveway was permitted by TxDOT in 2017 (see TxDOT Permit No. 67-17 issued to Kenneth Millsap).

During the first year of operation, the total volume of traffic generated by the facility is expected to gradually increase to approximately 90 round trips per day. The maximum total volume of traffic generated by the facility, which will not occur for many years, is expected to be less than 180 round trips. Comparing this volume of traffic to the TxDOT 2019 data available for SH 24 in the vicinity of the site, we observed as follows:

- The initial traffic increase generated by the proposed transfer station will be less than one per cent of the traffic.
- Assuming traffic volume increase will be proportional to the projected population increase for the area, we anticipate that the maximum traffic increase generated by the proposed transfer station will be less than two per cent at a future date when the transfer station achieves design capacity.

Mr. Noel Paramanantham, P.E. July 5, 2021 Page 2

The purpose of this letter is to demonstrate coordination with the Texas Department of Transportation (TxDOT), consistent with TCEQ requirements (Title 30 of the Texas Administrative Code (TAC) Chapter  $\S330.61(i)(4)$ ). Therefore, SCS respectfully requests TxDOT provide, by return letter, confirmation of our having coordinated with TxDOT for this proposed facility.

Your assistance with this matter is greatly appreciated. If you require additional information for this review, please call Kevin Yard at 972-523-2414 (email: <u>kyard@scsengineers.com</u>) or Ryan Kuntz at 817-358-6117 (<u>rkuntz@scsengineers.com</u>.

Sincerely,

for gail

Kevin D. Yard, P.E., BCEE Vice President SCS Engineers TBPE Registration No. F-3407

- Att.: Drawing No. I/II-1, Site Location Map Drawing No. I/II-2, General Topographic Map
- cc: Mr. Josh Bray, President, Transfer Station Solutions

Ryan R. Kuntz, P.E. Vice President SCS Engineers

M:Pro\16219083.00\agency coordin Itrs\L-07052021 TxDOT--



Applicant's Ex. 1, p. 001167



Applicant's Ex. 1, p. 001168

## **APPENDIX I/II-B**

## WETLANDS DETERMINATION AND ENDANGERED OR THREATENED SPECIES ASSESSMENT

SCS ENGINEERS August 2021

Applicant's Ex. 1, p. 001169



Mr. Kevin Yard, PE, BCEE SCS Engineers 1901 Central Drive; Suite 550 Bedford, Texas 76021

Re: Hunt County Transfer Station - Protected Species Habitat Assessment Approximately 5.9 acres for the proposed transfer station located at the southeast corner of Hunt County Road (CR) 4316 and Texas State Highway (SH) 26, south of Commerce, Hunt County, Texas

#### Dear Mr. Yard,

Integrated Environmental Solutions, LLC (IES) performed a protected species habitat assessment on approximately 5.9 acres for the proposed transfer station located at the southeast corner of CR 4316 and SH 26, south of Commerce, Hunt County, Texas (**Attachment A, Figure 1**). This habitat assessment was performed to satisfy the requirements regarding the Endangered Species Act (ESA). The following report is a list of the federal and state-listed protected species for Hunt County and their preferred vegetation assemblages, a summary of the vegetation communities identified on the site, an evaluation of whether or not the communities present on the site could support a protected species, and whether or not future proposed actions would affect listed species.

#### INTRODUCTION

#### Protected Species

#### Federal

The ESA of 1973 (Public Law [P.L.] 93-205) and the amendments of 1988 (P.L. 100-578) were enacted to provide a program of preservation for endangered and threatened species and to provide protection for ecosystems upon which these species depend for their survival. The ESA requires all federal agencies to implement protection programs for designated species and to use their authorities to further the purposes of the Act. Responsibility for the listing of an endangered or threatened species and for the development of recovery plans lies with the Secretary of Interior and Secretary of Commerce. The U.S. Fish and Wildlife Service (USFWS) is responsible for implementing the ESA within the United States.

An endangered species is a species, which is in danger of extinction throughout all or a significant portion of its range. A threatened species is a species likely to become endangered within the near future throughout all or a significant portion of its range. Proposed species are those, which have been formally submitted to Congress for official listing as endangered or threatened.

In addition, the USFWS has identified species, which are candidates for possible addition to the list of Endangered and Threatened Wildlife and Plants (50 Code of Federal Regulations [CFR] 17.11 and 17.12) under the ESA. The USFWS maintains a candidate list to: (1) provide advance knowledge of potential listings that could affect land planning decisions, (2) solicit input to identify candidates not requiring protection or additional species that may require protection under the ESA, and (3) solicit information needed to prioritize the order in which species will be proposed for listing. Candidate species have no legal protection under the ESA.

> Integrated Environmental Solutions, LLC. | 610 Elm Street, Suite 300 McKinney, Texas 75069 | www.intenvsol.com

> > Telephone: 972.562.7672 I/II-B-2

August 2021

Applicant's Ex. 1, p. 001170

**Revision 0** 

The Migratory Bird Treaty Act of 1918 states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance within the Act's policies and regulations. However, in a recent decision the U.S. Court of Appeals for the Fifth Circuit found that for an unlawful "taking" to occur, a "deliberate act done directly and intentionally to migratory birds" would need to occur. (United States v. CITGO Petroleum Corp., No. 14-40128 [5th Cir. Sept. 4, 2015]).

#### State

The Texas Parks and Wildlife Department (TPWD) Wildlife Diversity Program (WDP) maintains computerized records of state-listed threatened and endangered species by county. The State of Texas does not list threatened and endangered species using the same criteria as the federal government. When the USFWS lists a plant species, the State of Texas then lists that plant. Thus, the list of threatened and endangered plants in Texas is the same as the federal list. The state has separate laws governing the listing of animal species as threatened or endangered. Threatened and endangered animal species in Texas are those species so designated according to Chapters 67 and 68 of the Texas Parks and Wildlife Code and Section 65.171 - 65.184 of Title 31 of the Texas Administrative Code. Species that are not currently listed by the Federal government may be listed as threatened or endangered by the TPWD.

#### METHODOLOGY

Prior to conducting fieldwork, the list of Endangered and Threatened Wildlife and Plants under the ESA was obtained through the USFWS Information, Planning, and Conservation System (IPaC) and from the TPWD WDP and the Texas Natural Diversity Database (TXNDD). The vegetation communities used by each species was obtained and is detailed below. During the field survey, vegetation composition within and adjacent to the project site were noted to determine whether there was any potential for protected species habitat. This survey was not designed to identify the presence of protected species; however, if any species were observed, they were recorded. Photographs were taken at representative points, illustrating common vegetation communities within the survey area (Attachment B).

#### RESULTS

#### Literature Review

According to the USFWS, three species; Least Tern (*Sterna antillarum*), Piping Plover (*Charadrius melodus*), and Red Knot (*Calidris canutus rufa*) are listed as federally protected (i.e., threatened or endangered) with the potential to occur within Hunt County. All of these species are conditionally listed as threatened within Hunt County on the basis that the proposed project is for wind energy production. No federally listed critical habitat for these species is located within the vicinity of the survey area. The TPWD lists 14 state protected species that could occur within Hunt County, three of which are also federally listed avian species. The review of the TXNDD files did not indicate any unique vegetation communities, parks or natural/managed areas within the survey area.

**Attachment C** identifies the state and federally protected species that could potentially occur within Hunt County from the IPAC and Rare and Threatened Endangered Species of Texas (RTEST) lists.

#### Site Survey

Mr. Shae Kipp of IES evaluated the survey area on 07 January 2021. The site survey was conducted the day after a rainfall and during the survey there was light precipitation resulting in hydrology on the site that is not present in the majority of the year. This survey was designed to provide a habitat evaluation of the overall survey area with the primary focus on the plant community.

The survey area was characterized as a partially disturbed grassland previously used for livestock production. The larger, eastern portion was predominantly undisturbed. The undisturbed areas were predominantly vegetated by native prairie grasses with some woody vegetation along a small drainage corridor in the northwest corner and along a fence line in the eastern portion. The three vegetation communities observed included: **grassland**, **forested corridor**, and **urban/disturbed**.

The **grassland** vegetation community was comprised of native prairie vegetation dominated by little bluestem (*Schizachyrium scoparium*), silver bluestem (*Bothriochloa laguroides*), field brome (*Bromus arvensis*), meadow dropseed (*Sporobolus asper*), and white tridens (*Tridens albescens*). The wooded area in the northwest corner included groundcover species such as bushy bluestem (*Andropogon glomeratus*) and various sedges (*Carex* spp.) (see **Attachment D**). No wetlands were identified within or along the small drainage corridor. A wetland data form was completed near these vegetation species based on their status in the Great Plains National Wetland Plant List (2018). There were no hydric soils and no hydrology identified.

The **forested corridor** vegetation community, in the western survey portion, was observed with woody vegetation which included sugarberry (*Celtis laevigata*), Osage-orange (*Maclura pomifera*), honey locust (*Gleditsia triacanothos*), and roughleaf dogwood (*Cornus drummondii*). The woody vegetation observed along the fence line in the eastern portion had larger trees, including sugarberry, American elm (*Ulmus americana*), cedar elm (*Ulmus crassifolia*), post oak (*Quercus stellata*), water oak (*Quercus nigra*), and eastern redcedar (*Juniperus virginiana*). The western portion was observed with a gravel road entering the site from SH 24 that continued to unimproved surface parking and equipment operating areas associated with a pavement production company. The larger, eastern portion was predominantly undisturbed. The disturbed areas were identified as the **urban/disturbed** vegetation community characterized as unpaved and observed with open ground and gravel, and piles of debris predominantly lacking vegetation.

#### CONCLUSIONS

#### Preferred Habitat for Federally Protected Species

**Table 1** provides a summary of the federally and state-listed species that could potentially occur within Hunt County, as well as a brief description of their habitat, whether this habitat is present within the survey area, and whether the proposed project would potentially affect the listed species.

Regarding federally listed threatened and endangered species, Red Knot, Piping Plover, and Least Tern were listed for Hunt County. As the proposed project will not be related to wind energy, the Least Tern, Red Knot, and Piping Plover will not be affected. The habitats present within the survey area were not suitable for any of the federally listed threatened or endangered species. Nor were the habitats suitable for nesting, feeding, or stopover migration habitat for these species.

#### Preferred Habitat for State Protected Species

There were 14 state-listed threatened and endangered species for Hunt County, which includes three of the federally listed avian species. Any occurrence of the Least Tern, Piping Plover, and White-faced Ibis (*Plegadis chihi*) would be in relation to stopover during migration; however, no suitable stopover or nesting habitat was observed within the survey area. Black Rail (*Laterallus jamaicensis*) and Wood Stork (*Mycteria americana*) use marshes; the survey area was void of wetlands, so no habitat was present.

Although the tributary within the project site had pooled and flowing water, this hydrology was associated with the rain occurring in the preceding 24 hours. It is IES' opinion that the tributary only contained ephemeral or potentially intermittent flow. There were no perennial waters present within the survey area; therefore, suitable habitat for the Alligator snapping turtle (*Macrochelys temminckii*), Louisiana pigtoe (*Pleurobema riddellii*), Southern Hickorynut (*Obovaria arkansasensis*), Texas heelsplitter (*Potamilus amphichaenus*), and Texas pigtoe (*Fusconaia askewi*) was not present. The Texas horned lizard (*Phrynosoma cornutum*) prefers bare ground with scattered clumps of vegetation which does not occur within the survey area.

#### Vegetation Communities

None of the vegetation observed within the survey areas would be considered unique or compose a unique vegetation type for the region. The vegetation communities described were composed of species that are not only common to grassland and forested areas, but to the Cross-Timbers and Blackland Prairie eco-regions of North Central Texas. It is IES' professional opinion that the proposed project will not have any effect on any unique vegetation, vegetation communities, or habitat types.

Table 1. Federally- and State- listed Threatened and Endangered Species Occurring or Potentially Occurring in Hunt County, Texas

Species	State Status	Federal Status	Description of Habitat	Habitat Present <sup>1</sup>	Species Effect <sup>2</sup>
Interior Least Tern ( <i>Sterna antillarum</i> athalassos)	E	LE	The subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony.	No	No
Piping Plover (Charadrius melodus)	Т	LT	Wintering migrant along the Texas Gulf Coast; beaches and bayside mud or salt flats.	No	No
Red Knot (Calidris canutus rufa)		LT	Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. The Red knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and tidal flat/shore.	No	No
Black Rail (Laterallus jamaicensis)	т	РТ	Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marshes, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia.	No	No
White-faced ibis ( <i>Plegadis chihi</i> )	т		Prefers freshwater marshes, sloughs, and irrigated rice fields, but will attend brackish and saltwater habitats; currently confined to near-coastal rookeries in so-called hog-wallow prairies. Nests in marshes, in low trees, on the ground in bulrushes or reeds, or on floating mats.	No	No
Wood Stork (Mycteria americana)		LT	Prefers to nest in large tracts of baldcypress (Taxodium distichum) or red mangrove (Rhizophora mangle); forages in prairie ponds, flooded pastures or fields, ditches, and other shallow standing water, including salt-water; usually roosts communally in tall snags, sometimes in association with other wading birds (i.e. active heronries); breeds in Mexico and birds move into Gulf States in search of mud flats and other wetlands, even those associated with forested areas; formerly nested in Texas, but no breeding records since 1960.	No	No
Black bear (Ursus americanus)	т		Generalist. Historically found throughout Texas. In Chisos, prefer higher elevations where pinyon-oaks predominate; also occasionally sighted in desert scrub of Trans-Pecos (Black Gap Wildlife Management Area) and Edwards Plateau in juniper-oak habitat. For ssp. luteolus, bottomland hardwoods, floodplain forests, upland hardwoods with mixed pine; marsh. Bottomland hardwoods and large tracts of inaccessible forested areas.	Νο	No
Louisiana pigtoe (Pleurobema riddellii)	т		Streams and moderate-size rivers, usually flowing water on substrates of mud, sand, and gravel; not generally known from impoundments; Sabine, Neches, and Trinity (historic) River basins.	No	No
Southern hickorynut (Obovaria arkansasensis)	т		Clay, sand, and medium sized gravel substrates with low to moderate current; Neches, Sabine, and Cypress river basins.	No	No
Texas heelsplitter (Potamilus amphichaenus)	т		Quiet waters in mud or sand and also in reservoirs. Sabine, Neches, and Trinity River basins.	No	No
Texas pigtoe ( <i>Fusconaia</i> askewi)	т		Occurs in small streams to large rivers, usually in water with at least some current; not known from reservoirs. Found in a variety of habitats but most common in riffles. Inhabits various substrates though most often sand, gravel, and cobble.	No	No
Alligator snapping turtle (Macrochelys temminckii)	т		Perennial water bodies; deep waters of rivers, canals, lakes, and oxbows; also swamps, bayous, and ponds near deep running water; sometimes enters brackish coastal waters; usually in water with mud bottom and abundant aquatic vegetation; may migrate several miles along rivers; active March- October; breeds April-October.	No	No
Northern scarlet snake (Cemophora coccinea copei)	т		Terrestrial: Prefers well drained soils with pine, hardwood, or mixed hardwood scrub in addition to open grassland habitats with appropriate soils.	No	No
Texas horned lizard (Phrynosoma cornutum)	т		Open, arid and semi-arid regions with sparse vegetation, including grass, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive: breeds March-September.	No	No

LE – Federally Listed Endangered, LT – Federally Listed Threatened, DL – Federally Delisted, E – State Listed Endangered, T - State Listed Threatened <sup>1</sup>Habitat Present? – Does the habitat located within the survey area match the habitat requirements for that particular protected species? <sup>2</sup>Species Effect? – Will the proposed project potentially affect a protected species?

Data Sources: USFWS IPaC (4 January 2021), TPWD (04 January 2021), and field survey of the project site

#### Potential to Affect Protected Species

As previously noted, no preferred habitat for any of the federally or state-listed species was present within the survey area. As such, the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species.

IES appreciates the opportunity to work with you and SCS Engineers on this project and hope we may be of assistance to you in the future. If you have any comments, questions, or concerns, please do not hesitate to contact me at 972-562-7672 (rreinecke@intenvsol.com)

Sincerely,

Integrated Environmental Solutions, LLC.

Rudi Reinecke

Rudi Reinecke Vice President

File ref: 04.306.004

## ATTACHMENT A

Figures





## ATTACHMENT B

Site Photographs









Photograph 2



Photograph 3



Photograph 5



Photograph 7 Revision 0



Photograph 4



Photograph 6



Photograph 8





Photograph 9



Photograph 11



Photograph 13



Photograph 15 Revision 0









Photograph 14



Photograph 16

August 2021

Applicant's Ex. 1, p. 001181







Photograph 19



Photograph 21

Photograph 20



Photograph 22

## ATTACHMENT C

**Protected Species Lists** 



# United States Department of the Interior

FISH AND WILDLIFE SERVICE Arlington Ecological Services Field Office 2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 Phone: (817) 277-1100 Fax: (817) 277-1129 http://www.fws.gov/southwest/es/arlingtontexas/

http://www.fws.gov/southwest/es/EndangeredSpecies/lists/



January 04, 2021

In Reply Refer To: Consultation Code: 02ETAR00-2021-SLI-0758 Event Code: 02ETAR00-2021-E-01795 Project Name: Hunt County Transfer Station

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, which may occur within the boundary of your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under section 7(a)(1) of the Act, Federal agencies are directed to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Under and 7(a)(2) and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether their actions may affect threatened and endangered species and/or designated critical habitat. A Federal action is an activity or program authorized, funded, or carried out, in whole or in part, by a Federal agency (50 CFR 402.02).

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2) (c)). For Federal actions other than major construction activities, the Service suggests that a biological evaluation (similar to a Biological Assessment) be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

After evaluating the potential effects of a proposed action on federally listed species, one of the following determinations should be made by the Federal agency:

- 1. *No effect* the appropriate determination when a project, as proposed, is anticipated to have no effects to listed species or critical habitat. A "no effect" determination does not require section 7 consultation and no coordination or contact with the Service is necessary. However, the action agency should maintain a complete record of their evaluation, including the steps leading to the determination of affect, the qualified personnel conducting the evaluation, habitat conditions, site photographs, and any other related information.
- 2. *May affect, but is not likely to adversely affect* the appropriate determination when a proposed action's anticipated effects are insignificant, discountable, or completely beneficial. Insignificant effects relate to the size of the impact and should never reach the scale where "take" of a listed species occurs. Discountable effects are those extremely unlikely to occur. Based on best judgment, a person would not be able to meaningfully measure, detect, or evaluate insignificant effects, or expect discountable effects to occur. This determination requires written concurrence from the Service. A biological evaluation or other supporting information justifying this determination should be submitted with a request for written concurrence.
- 3. *May affect, is likely to adversely affect* the appropriate determination if any adverse effect to listed species or critical habitat may occur as a direct or indirect result of the proposed action, and the effect is not discountable or insignificant. This determination requires formal section 7 consultation.

The Service recommends that candidate species, proposed species, and proposed critical habitat be addressed should consultation be necessary. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 et seq.), and projects affecting these species may require development of an eagle conservation plan (<u>http://www.fws.gov/windenergy/</u> <u>eagle\_guidance.html</u>). Additionally, wind energy projects should follow the wind energy

3

guidelines (http://www.fws.gov/windenergy/) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm; http://www.towerkill.com; and http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

For additional information concerning migratory birds and eagle conservation plans, please contact the Service's Migratory Bird Office at 505-248-7882.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

Official Species List

# **Official Species List**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

## **Arlington Ecological Services Field Office**

2005 Ne Green Oaks Blvd Suite 140 Arlington, TX 76006-6247 (817) 277-1100

# **Project Summary**

Consultation Code:02ETAR00-2021-SLI-0758Event Code:02ETAR00-2021-E-01795Project Name:Hunt County Transfer StationProject Type:DEVELOPMENTProject Description:04.306.004Project Location:Event County Transfer Station

Approximate location of the project can be viewed in Google Maps: <u>https://www.google.com/maps/@33.1960773,-95.92117689248244,14z</u>



Counties: Hunt County, Texas
# **Endangered Species Act Species**

There is a total of 3 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 3 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## **Birds**

NAME	STATUS
Least Tern Sterna antillarum	Endangered
Population: interior pop.	
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/8505</u>	
Piping Plover <i>Charadrius melodus</i>	Threatened
Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except	
those areas where listed as endangered.	
There is <b>final</b> critical habitat for this species. The location of the critical habitat is not available.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/6039</u>	
Red Knot Calidris canutus rufa	Threatened
No critical habitat has been designated for this species.	
This species only needs to be considered under the following conditions:	
<ul> <li>Wind Energy Projects</li> </ul>	
Species profile: <u>https://ecos.fws.gov/ecp/species/1864</u>	
Critical habitats	
THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFF	FICE'S

JURISDICTION.

Last Update: 8/25/2020

#### HUNT COUNTY

#### BIRDS

Black Rail Laterallus jamaicensis

Salt, brackish, and freshwater marshes, pond borders, wet meadows, and grassy swamps; nests in or along edge of marsh, sometimes on damp ground, but usually on mat of previous years dead grasses; nest usually hidden in marsh grass or at base of Salicornia

Federal Status: PT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3G4	State Rank: S2

#### interior least tern Sternula antillarum athalassos

Sand beaches, flats, bays, inlets, lagoons, islands. Subspecies is listed only when inland (more than 50 miles from a coastline); nests along sand and gravel bars within braided streams, rivers; also know to nest on man-made structures (inland beaches, wastewater treatment plants, gravel mines, etc); eats small fish and crustaceans, when breeding forages within a few hundred feet of colony

Federal Status: LE	State Status: E	SGCN: Y
Endemic: N	Global Rank: G4T3Q	State Rank: S1B

#### piping plover

#### Charadrius melodus

Beaches, sandflats, and dunes along Gulf Coast beaches and adjacent offshore islands. Also spoil islands in the Intracoastal Waterway. Based on the November 30, 1992 Section 6 Job No. 9.1, Piping Plover and Snowy Plover Winter Habitat Status Survey, algal flats appear to be the highest quality habitat. Some of the most important aspects of algal flats are their relative inaccessibility and their continuous availability throughout all tidal conditions. Sand flats often appear to be preferred over algal flats when both are available, but large portions of sand flats along the Texas coast are available only during low-very low tides and are often completely unavailable during extreme high tides or strong north winds. Beaches appear to serve as a secondary habitat to the flats associated with the primary bays, lagoons, and inter-island passes. Beaches are rarely used on the southern Texas coast, where bayside habitat is always available, and are abandoned as bayside habitats become available on the central and northern coast. However, beaches are probably a vital habitat along the central and northern coast (i.e. north of Padre Island) during periods of extreme high tides that cover the flats. Optimal site characteristics appear to be large in area, sparsely vegetated, continuously available or in close proximity to secondary habitat, and with limited human disturbance.

Federal Status: LT	State Status: T	SGCN: Y
Endemic: N	Global Rank: G3	State Rank: S2N

#### **Rufa Red Knot**

#### Calidris canutus rufa

Red knots migrate long distances in flocks northward through the contiguous United States mainly April-June, southward July-October. A small plump-bodied, short-necked shorebird that in breeding plumage, typically held from May through August, is a distinctive and unique pottery orange color. Its bill is dark, straight and, relative to other shorebirds, short-to-medium in length. After molting in late summer, this species is in a drab gray-and-white non-breeding plumage, typically held from September through April. In the non-breeding plumage, the knot might be confused with the omnipresent Sanderling. During this plumage, look for the knot's prominent pale eyebrow and whitish flanks with dark barring. The Red Knot prefers the shoreline of coast and bays and also uses mudflats during rare inland encounters. Primary prey items include coquina clam (Donax spp.) on beaches and dwarf surf clam (Mulinia lateralis) in bays, at least in the Laguna Madre. Wintering Range includes-Aransas, Brazoria, Calhoun, Cameron, Chambers, Galveston, Jefferson, Kennedy, Kleberg, Matagorda, Nueces, San Patricio, and Willacy. Habitat: Primarily seacoasts on tidal flats and beaches, herbaceous wetland, and Tidal flat/shore.

#### Federal Status: LT State Status: T

Endemic: N

#### Global Rank: G4T2

SGCN: Y State Rank: S2N

Revision 0

I/II-B-22

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 001190 Plegadis chihi

white-faced ibis

rookeries in so-called hog-wa	llow prairies. Nests in marshes, in low trees, on	the ground in bulrushes or reeds, or on floating mats.			
Federal Status:	State Status: T	SGCN: Y			
Endemic: N	Global Rank: G5	State Rank: S4B			
wood stork	Mycteria americana				
Prefers to nest in large tracts of pastures or fields, ditches, and association with other wading wetlands, even those associated	of baldcypress (Taxodium distichum) or red man I other shallow standing water, including salt-w birds (i.e. active heronries); breeds in Mexico a ed with forested areas; formerly nested in Texas	ngrove (Rhizophora mangle); forages in prairie ponds, flooded ater; usually roosts communally in tall snags, sometimes in and birds move into Gulf States in search of mud flats and other , but no breeding records since 1960			
Federal Status:	State Status: T	SGCN: Y			
Endemic: N	Global Rank: G4	State Rank: SHB,S2N			
	MAMMALS				
black bear	Ursus americanus				
Generalist. Historically found in desert scrub of Trans-Pecos bottomland hardwoods, floody forested areas.	throughout Texas. In Chisos, prefers higher ele s (Black Gap Wildlife Management Area) and E plain forests, upland hardwoods with mixed pin	evations where pinyon-oaks predominate; also occasionally sighted Edwards Plateau in juniper-oak habitat. For ssp. luteolus, e; marsh. Bottomland hardwoods and large tracts of inaccessible			
Federal Status:	State Status: T SGCN: Y				
Endemic: N	Global Rank: G5	State Rank: S3			
	MOLLUSKS				
Louisiana Pigtoe	Pleurobema riddellii				
Occurs in small streams to lar (Howells 2010f; Randklev et a	ge rivers in slow to moderate currents in substra al. 2013b; Troia et al. 2015). [Mussels of Texas	ates of clay, mud, sand, and gravel. Not known from impoundments 2019]			
Federal Status:	State Status: T	SGCN: Y			
Endemic: N	Global Rank: G1G2	State Rank: S1			
Southern Hickorynut	Obovaria arkansasensis				
Clay, sand, and medium sized	gravel substrates with low to moderate current	; Neches, Sabine, and Cypress river basins			
Federal Status:	State Status: T	SGCN: Y			
Endemic: N	Global Rank: GNR	State Rank: S1			
Texas Heelsplitter	Potamilus amphichaenus				
Occurs in small streams to lar reservoirs. Often found in soft	ge rivers in standing to slow-flowing water; mo t substrates such as mud, silt or sand (Howells e	st common in banks, backwaters and quiet pools; adapts to some t al. 1996; Randklev et al. 2017a). [Mussels of Texas 2019]			
Federal Status:	State Status: T	SGCN: Y			

Revision 0

I/II-B-23

August 2021

DISCLAIMER The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 001191 Texas Parks & Wildlife Dept. Annotated County Lists of Rare Species

Texas Pigtoe	Fusconaia askewi		
Occurs in small streams to large river most common in riffles. Inhabits vari Randklev et al. 2014a; Troia et al 201	rs, usually in water with at least some current; not known from ous substrates though most often sand, gravel, and cobble (H 15).[Mussel of Texas 2019]	m reservoirs. Found in a variety of habitats but lowells 2010a; Randklev et al. 2013b;	
Federal Status:	State Status: T	SGCN: Y	
Endemic: N	Global Rank: G2?	State Rank: S2S3	
	REPTILES		
alligator snapping turtle	Macrochelys temminckii		
Aquatic: Perennial water bodies; rive brackish coastal waters. Females eme	rrs, canals, lakes, and oxbows; also swamps, bayous, and pon- erge to lay eggs close to the waters edge.	ds near running water; sometimes enters	
Federal Status:	State Status: T	SGCN: Y	
Endemic: N	Global Rank: G2G3	State Rank: S2	
northern scarlet snake	Cemophora coccinea copei		
Terrestrial: Prefers well drained soils soils.	with pine, hardwood, or mixed hardwood scrub in addition t	o open grassland habitats with appropriate	
Federal Status:	State Status: T	SGCN: Y	
Endemic: N	Global Rank: G5T5Q	State Rank: S3	
Texas horned lizard	Phrynosoma cornutum		
Terrestrial: Open habitats with sparse	e vegetation, including grass, prairie, cactus, scattered brush c	or scrubby trees; soil may vary in texture from	

I errestrial: Open habitats with sparse vegetation, including grass, prairie, cactus, scattered brush or scrubby trees; soil may vary in texture from sandy to rocky; burrows into soil, enters rodent burrows, or hides under rock when inactive. Occurs to 6000 feet, but largely limited below the pinyon-juniper zone on mountains in the Big Bend area.

Federal Status:State Status: TEndemic: NGlobal Rank: G4G5

SGCN: Y State Rank: S3

August 2021

The information on this web application is provided "as is" without warranty as to the currentness, completeness, or accuracy of any specific data. The data provided are for planning, assessment, and informational purposes. Refer to the Frequently Asked Questions (FAQs) on the application website for further information. Applicant's Ex. 1, p. 001192

DISCLAIMER

#### ATTACHMENT D

Routine Wetland Determination Data Form

#### WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: Hunt County Transfer Station	City/County: Commerce / Hunt County	Sampling Date: 01/07/2021
Applicant/Owner: SCS Engineers	State: TX	Sampling Point: 1
Investigator(s):Shae Kipp	Section, Township, Range: N/A	
Landform (hillslope, terrace, etc.): Hillslope	Local relief (concave, convex, none): none	Slope %: 15
Subregion (LRR): _ J Lat: _ 33.196865	, N Long:95.922899 W	Datum: NAD 1983
Soil Map Unit Name: Axtell Ioam, 1 to 5 percent slopes	NWI Classification:	
Are climatic / hydrologic conditions on the site typical for this time of year? Yes 🛛 No 🗌	(If no, explain in Remarks.)	
Are vegetation, 🔲 Soil, 🔲 Or hydrology 🔲 Significantly dista	ırbed? Are "Normal Circumstances" present? Yes 🖂	No 🗔
Are vegetation, 🔲 Soil, 🔲 Or hydrology 🔲 Naturally probler	natic? (If needed, explain any answers in Remarks.)	
SUMMARY OF FINDINGS — Attach site map showing sampling poi	nt locations, transects, important features, etc.	
Hydrophytic Vegetation Present? Yes 🗆 No 🖂		
Hydric Soil Present? Yes 🗆 No 🖂	s the Sampled Area within a wetland? Yes No 🖂	
Wetland Hydrology Present? Yes 🗖 No 🖂		
Remarks: Drainage course in northwest corner; eastern slope oriented toward small tributary		

#### **VEGETATION – Use scientific names of plants.**

	Abcoluto 0/	Dominant	Indicator	Dominance Test worksheet:		
<u>Tree Stratum</u> (Plot Size: 30' Radius )	Coverage	Species?	Status	Number of Dominant Species That		
1. <u>None</u>		- <u> </u>		(excluding FAC-):	<u> </u>	
2				Total Number of Dominant Species		
3				Across All Strata:	<u>2</u> (B)	
4				Percent of Dominant Species That		
		= Total Cover		Are OBL, FACW, or FAC:	(A/B)	
<u>Sapling/Shrub Stratum</u> (Plot Size: <u>15' Radius</u> )				Prevalence Index Worksheet:		
1. None				Total % Cover of:	Multiply By:	
2.				OBL species	x 1 =	
3				FACW species	x 2 =	
4.				FAC species	x 3 =	
5.				FACU species	x 4 =	
		= Total Cover		UPL species	x 5 =	
Herb Stratum (Plot Size: 5' Radius )		-		Column Totals:	(A) (B)	
1. Lolium perenne	80	Y	UPL			
2. Andropogon alomeratus	8	N	FACW	Prevalence Index = $B/A$ =		
3						
4				Hydronhytic Venetation Indicators		
5					•	
6				1 - Ranid Test	t for Hydronhytic Venetation	
7				2 - Dominanc	e Test is $> 50\%$	
9.				2 Dominanc	a Inday is < 3 0)	
0.				3- Hevalenc	e muex is <u>&lt;</u> 3.0 <sup>.</sup> 	
7				in Remark	gical Adaptations' (Provide supporting ad is or on a separate sheet)	.10
IU					· · ·	
	88	= Total Cover		Problematic Hydro	ophytic Vegetation' (Explain)	
<u>Woody Vine Stratum</u> (Plot Size: 30' Radius )				disturbed or problematic.	ia nyarology mosi ne preseni, omess	
1. Rubus trivialis	10	Y	FACU			
2.						
	10	= Total Cover		Hydrophytic Vegetation Present? Yes	□ No ⊠	
% Rare Ground in Herb Stratum 12		-		Flesent:		
Remarks:				1		
US Army Corps of Engineers		I/II-B-2	6		Great Plains — Version	n 2.0

ILS			ha ta Itaat	See the share of the				Sampling Point: <u>1</u>
tile Descriptio	on: (Describe to the depth n	eeded to document t	he indicator or cont	irm the absence of ir	dicators.)			
Depth (inchoo)	Matrix		(alay (maint)	Redox Featu	es Tunal	1.5.2	Tautura	Domento
(incres)		<u> </u>	Color (moisi)	<sup>9</sup> 0	Type	LOC	Texture	Kemurks
0-6	10YR 3/2	100	,				Clay loam	
6-16	10YR 3/2	20					Clay loam	
6-16	7.5YR 3/4	80					Sandy loam	
		·						
		<u> </u>						
pe: C=Concent	ration, D=Depletion, RM=Redu	iced Matrix, CS=Covere	ed or Coated Sand Grai	ns. <sup>2</sup> Location: PL=	Pore Lining, M=	Matrix		
dric Soil indica	itors: (Applicable to all LRR	s, unless otherwise r	noted.)			Indicators	for Problematic Hydric	Soils <sup>3</sup> :
	HISTOSOI (AI) Histic Eninodon (A2)			sanay Geyed Matrix (S4) Sandy Podox (S5)			I LM MUCK (AY) (LKR I, J	) \
	Rinck Histic (A2)			Strinned Matrix (SA)			Dark Surface (S7) (I PP 6	(LRK F, U, H)
H	Hydrogen Sulfide (A4)			Loamv Mucky Mineral (F1	)		High Plains Depressions	(F16)
п	Stratified Layers (A5) (LRR F)		П	Loamy Gleyed Matrix (F2	)		(LRR H outside of	MLRA 72 & 73)
	1 cm Muck (A9) ( LRR F, G, H)			Depleted Matrix (F3)			Reduced Vertic (F18)	
	Depleted below Dark Surface (A	11)		Redox Dark Surface (F6)			Red Parent Material (TF2)	
	Thick Dark Surface (A12)			Depleted Dark Surface (F	7)		Very Shallow Dark Surfac	e (TF12)
	Sandy Mucky Mineral (S1)			Redox Depressions (F8)			Other (Explain in Remark	s)
	2.5 cm Mucky Peat or Peat (S2)	(LRR G, H)		High Plains Depressions	F16	<sup>3</sup> Indica	tors of hydrophytic vegeta	tion and wetland hydrology must
strictive Layer Type:	r ( <b>if present):</b> None							
Depth (inches	;): N/A					Hydric Soil	Present? Yes	NO 🖄
marks:								
etland Hydrolo	gy Indicators:							
mary indicators	(minimum of one required; check	all that apply)				Secondary I	ndicators (minimum of two	o required)
Surface W	ater (A1)		Salt Crust (B11)			, Su	rface Soil Cracks (B6)	
] High Wate	r Table (A2)		Aquatic Invertebra	tes (B13)		🗆 Sp	arsely Vegetated Concave	Surface (B8)
Saturation	(A3)		Hydrogen Sulfide (	Idor (C1)		🗖 Dr	ainage patterns (B10)	
) Water Mar	rks (B1)		Dry-Season Water	Table (C2)		0>	kidized Rhizospheres on Liv	ving Roots (C3)
Sediment	Deposits (B2)		Oxidized Rhizosph	eres on Living Roots (C3)			(where tilled)	
J Drift Depo	sits (B3)	_	(where not til	led)			aytish Burrows (C8)	(60)
j Algal Mat	or Crust (B4)		Presence of Reduce	ed Iron (C4)		L Sa	ituration Visible on Aerial I	magery (L9)
j iron Depos	SITS (BD) Nicible on Apric Immercus (D7)	님	Other (Surlain in P	omarka)			eomorphic Position (DZ)	
j illunaatior ] Water Stai	n visible oli Aerial Imagery (B7) ined Lenves (R9)		utiler (Explain in R	emurks)			nc-meullul lest (DS) act-Henve Hummarks /D7)	
d Observatio	ns:				Г			( · /
	·• · · · · ·		Denil (m. l. )					
aco Water Dure	ontil Veell							

Saturation Present? (includes capillary fringe)

Water Table Present?

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Yes? 🔲 No? 🖂

Yes? 🔲 No? 🖂

Depth (inches):

Depth (inches):

Remarks:

Yes 🗌 No 🖂

Wetland Hydrology Present?

# **APPENDIX I/II-C**

## OIL AND WATER WELL LOCATION SUMMARY



# **APPENDIX I/II-D**

## LAND OWNERSHIP LIST

#### Adjacent Land Ownership and Mineral Interest Ownership

In accordance with 30 TAC §330.59(c)(3)(B) and §305.45(a)(6)(D), the landowners' list presents the names and mailing addresses of the landowners of property within one-quarter (1/4) mile of the facility permit boundary, as provided in Table I/II-D.1. The numbering in the landowners list corresponds to the numbers on Drawing I/II-4, which depicts the locations of the landowners. The landowners' list and map are based on the Hunt County Appraisal Districts' property records, as of the date of this application. No mineral interest owners were identified under the transfer station property based on the real property appraisal records at the Hunt County Appraisal District and communications with the property owner.

1.	ID#25373 LAMAR PARTNERS LLC 3737 LAMAR AVE STE 700 PARIS, TX 75460	2.	ID#126101 DAO DO & LOAN PHAM 2501 ROSEMARY DR ARLINGTON, TX 76104	3.	ID#212813 ASHLEY JAMES WESLEY & STEPHANIE DEANN 500 HWY 224 COMMERCE, TX 75428
4.	ID#229211 HALL JOHN & KATHY 3307 HWY 24 CAMPBELL, TX 75422	5.	ID#111811 HALL TIMOTHY ROBERT 1512 LAKEVIEW DR KELLER, TX 76248	6.	ID#111812 SALAZAR MARCIAL R PO BOX 92 CAMPBELL, TX 75422
7.	ID#127705 ONEAL JENNA L 5702 CR 4317 CAMPBELL, TX 75422	8.	ID#127704 FREELEN DARYL 5710 CR 4317 CAMPBELL, TX 75422	9.	ID#25372 SPEIGHT JAMES A 5763 CR 4317 CAMPBELL, TX 75422
10.	ID#25374 SHEN LI & YUMEI BAO 1 369 BRIDLE BLVD FRISCO, TX 75034	11.	ID#25376 BRANDT KATHRYN J 5829 PR 4223 CAMPBELL, TX 75422	12.	ID#25379 COOPER BLAKE W & TAMBARA D PO BOX 92 COMMERCE, TX 75429
13.	ID#206582 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	14.	ID#206583 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422	15.	ID#206581 RABE JAMES B & TRACEY L 4076 MEADOWVIEW DR CAMPBELL, TX 75422
16.	ID#206584 HEAD TYLER 4081 MEADOWVIEW DR CAMPBELL, TX 75422	17.	ID#219666 RABE BRAD & TRACEY 4076 MEADOWVIEW DR CAMPBELL, TX 75422	18.	ID#116153 HEAD SHANE & LAURIE 4081 MEADOWVIEW DR CAMPBELL, TX 75422
19.	ID#25426 WEBB BILLY 4292 FM 1568 CAMPBELL, TX 75422	20.	ID#209241 THE MEADOWS AT OAK CREEK HOMEOWNERS ASSOC ATTN: SHANE HEAD 4081 MEADOWVIEW DR CAMPBELL, TX 75422	21.	ID#206585 NIX NORRIS LEE PO BOX 783 GREENVILLE, TX 75403-0783

#### Table I/II – D.1, LANDOWNER'S LIST

22.	ID#110886 MABRY BONNIE SUE 3696 HWY 24 CAMPBELL, TX 75422	23.	ID#25375 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428	24.	ID#31328 THOMAS JERALD E 1212 MAIN ST COMMERCE, TX 75428
25.	ID#107384 BOARD OF REGENTS OF TEXAS A&M UNIVERSITY SYSTEM OFFICE OF GENERAL COUNSEL ATTN: SYSTEM REAL ESTATE 301 TARROW ST, 6 <sup>TH</sup> FLOOR COLLEGE STATION, TX 77840-7896	26.	ID#31327 BEDROCK LAND LLC 633 YELLOW BRIDGE RD VAN ALSTYNE, TX 75495- 3927	27.	ID#31332 KING CHARLES F & KAROLE L 3382 HWY 24 CAMPBELL, TX 75422-1332
28.	ID#31331 FRANCEY GEORGE C & RENEE C 3340 STATE HYW 24 CAMPBELL, TX 75422	29.	ID#31329 PONDER WILLIAM PO BOX 2259 NOVATO, CA 94948		

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART III SITE DEVELOPMENT PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

#### **SCS ENGINEERS**

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 SCS Project No. 16219083

		TABLE OF CONTENTS
<u>SECT</u>	<u>ON</u>	PAGE
1.0	INTR	ODUCTION
	1.1	SITE LOCATION AND HISTORY
	1.2	LAND USE AND ZONING [§330.63(A)]
2.0	GEN	ERAL FACILITY DESIGN
	2.1	FACILITY ACCESS
		2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]III-2
		2.1.2 Fences and Access Control [§330.63(b)(1)]III-2
	2.2	WASTE MOVEMENT §330.63(B)(2) III-3
		2.2.1 Waste Flow Diagram §330.63(b)(2)(A)III-3
		2.2.2 Waste Process Schematic View §330.63(b)(2)(B)III-3
		2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)
		2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)III-3
		2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)III-4
	2.3	SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)III-4
		2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)III-5
		2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)III-5
		2.3.3 Protection of Endangered Species §330.63(b)(5)Ill-6
3.0	SURF	ACE WATER DRAINAGE REPORT §330.63(c)III-7
	3.1	DRAINAGE DESIGN §330.63(C)III-7
	3.2	FLOODPLAIN CONSIDERATIONS §330.63(C)III-7
4.0	WAS	TE MANAGEMENT UNIT DESIGN §330.63(d)(1)III-8
	4.1	WASTE OPERATIONS §330.63(D)(1)(A)III-8
	4.2	SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227III-8
	4.3	WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)III-8
5.0	CLO	SURE PLAN §330.63(H)III-9
6.0	COS	T ESTIMATE FOR CLOSURE §330.63(J) III-10

## ATTACHMENTS

- 1 General Facility Design Plan
- 2 Closure Plan
- 3 Closure Cost Estimate



SCS Engineers TBPE Reg. # F-3407

# 1.0 INTRODUCTION

In accordance with 30 TAC §330.63(a), the following sections include the applicable portions of Part III of a permit application that summarize the land-use and zoning and the adequacy of access roads and highways surrounding the proposed facility. Part III also provides information on the general design of the facility to safeguard the health, welfare, and physical property of people and the environment.

## 1.1 SITE LOCATION AND HISTORY

The Highway 24 Transfer Station will be located in an unincorporated area of Hunt County, Texas on State Highway 24 (SH 24) approximately 0.4 mile north of the intersection of SH 24 and County Road 4317 and approximately 4 miles north of Campbell, Texas. The site location is shown on Figure I/II-1 in Parts I/II of this permit application. Additionally, an aerial photograph showing the site and access roads is included as Part I/II, Figure I/II-3, and a general topographic map is included as Part I/II, Figure I/II-2.

At its peak, the new facility will have a waste intake capacity projected at approximately 1,000 tons/day.

The physical address for the transfer station is 3491 SH 24, Campbell, Texas 75422. The approximate coordinates of the transfer station property are N  $33^{\circ}11'48.6"$  latitude and W  $95^{\circ}55'23.5"$  longitude.

# 1.2 LAND USE AND ZONING [§330.63(A)]

Existing uses of the site and the surrounding area are shown on Figure I/II-5, Land Use Map and described in Section 3.1.2 of Parts I/II.

# 2.0 GENERAL FACILITY DESIGN

In accordance with 30 TAC §330.63(b), the general facility design is discussed in the following sections.

# 2.1 FACILITY ACCESS

## 2.1.1 Adequacy of Access Roads and Highways [§330.63(a)]

In accordance with 30 TAC §330.61(i), an analysis of the adequacy of SH 24 was performed for the transfer station. Supporting data is included in Section 3.2 of Parts I/II. Based on these data, SH 24, which provides access to the facility, is adequate in capacity and structure to continue to serve the needs of the general public using SH 24, as well as the transfer station.

## 2.1.2 Fences and Access Control [§330.63(b)(1)]

Public access to the transfer station will be controlled by means of a perimeter fence which encompasses the entire permit boundary. Access to the transfer station is limited to the gated site entrance located off of SH 24.

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the site is minimized by controlling access to the transfer station with sites fencing, artificial barriers, locking entrance and exit gates. The fence will consist of a 6-foot-high chain-link fence, and/or a barbed wire fence (at least three-strand) or a mesh wire. Part III, Attachment 1, Figure III-1.1 shows the location of the fencing and the gates.

During operating hours, the site personnel will continuously monitor the site entrance gate to prevent any unauthorized entry to facility. Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, and properly identified persons whose entry is authorized by site management.

A conspicuous sign measuring a minimum 4 feet by 4 feet will be maintained at the entrance to the facility. The sign will state the following: in letters at least 3-inches high:

- the name of the site,
- the type of site,
- the permit number issued by the TCEQ,
- the hours and days of operation,
- an emergency 24-hour contact phone number(s), and
- the local emergency fire department phone number.

The sign will be visible and readable from the facility entrance. Other signs stating rules will be posted throughout the site. A sign will state that certain wastes are prohibited from receipt at the facility, as discussed in the Part IV, Site Operating Plan.

## 2.2 WASTE MOVEMENT §330.63(B)(2)

## 2.2.1 Waste Flow Diagram §330.63(b)(2)(A)

A waste flow diagram indicating the unloading of waste collection vehicles, storage, and loading (into waste transfer trailers) sequences for various types of wastes received is shown on Figure III-1.2 located in Part III, Attachment 1. The facility will not accept or store grease, oil, or sludge; therefore, the requirements of §330.63(b)(2)(G) do not apply.

## 2.2.2 Waste Process Schematic View §330.63(b)(2)(B)

A schematic view indicating the waste processing, storage, and disposal, as applicable, is shown on Figure III-1.3 in Part III, Attachment 1. This figure includes the transfer station permit boundary and the traffic flow patterns.

## 2.2.3 Ventilation and Odor Control §330.63(b)(2)(C)

Ventilation will be provided and odors controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's building, which is open on two sides, will provide ample passive ventilation.

A minimum 50-foot buffer will be provided between the transfer station structure and the site boundaries. In addition to the building's design features and buffers, the owner will take further steps to prevent and control potential odors being generated and migrating off site. These include:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor and drain and pumping of the wastewater tank
- Use of tarps to cover the waste in the event waste is stored overnight in the transfer station

Solid waste processing operations will be conducted within the transfer station structure to prevent nuisance odors from developing. No waste tipping, processing, or disposal will occur outside the transfer station building.

The site will be graded to prevent the ponding of water. The on-site drainage structures will be maintained to maintain positive drainage, and thus minimize any nuisance odors associated with stagnant water.

#### 2.2.4 Generalized Construction Details §330.63(b)(2)(D) through (F)

The facility includes the transfer station building, a scale house with scale(s), an optional office/break room, a water tank, a contaminated water holding tank, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, building with an above-grade processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floors, steel framing, metal exterior panels on two sides, and a roof.

A Site Layout Plan is included as Part III, Attachment 1, Figure III-1.1. The general design and construction details for the facility layout and building components are also shown in Part III, Attachment 1, Figures III-1.4, III-1.5, and III-1.7.

The processing area (tipping floor) is used for waste processing, holding, and storage. Contaminated water resulting from the processing operations will include incidental liquid within the waste brought in by the haul vehicles and washwater from the tipping floor cleaning activities. Contaminated water will be directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping to a contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap and sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management of contaminated water is also addressed in Section 2.3.

The transfer station features a metal roof structure that covers the reinforced concrete pad (tipping floor) used for waste processing and waste storage and truck loading and transfer. The building is enclosed on two sides with an approximate eave height of 30 feet. Trucks will enter the building on the north and exit to the south. The building is set back on the property and approximately 675 feet from SH 24.

## 2.2.5 Noise Pollution Control and Visual Screening §330.63(b)(2)(1)

The site will be designed and located on the property to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste unloading and processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and visually screening the operation.

## 2.3 SANITATION AND WATER POLLUTION CONTROL §330.63(B)(3) & (4)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will prevent surface water or groundwater pollution. The proposed drainage design plan, which directs storm water away from the transfer station building, will provide surface water protection.

Uncontaminated water is any water that has not come into contact with waste (referred to as storm water, clean storm water, surface water, and uncontaminated surface water). Contaminated water includes water that has come into contact with waste, incidental liquid within the waste brought in by the haul vehicles, and washwater from the tipping floor cleaning activities.

The pavement and surface around the perimeter of the transfer station building will be graded to promote uncontaminated surface water drainage away from the structure and toward the surface drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figure III-1.6 and Part III, Attachment 1, Appendix A – Surface Water Drainage Design.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure. Contaminated water will not be allowed to accumulate on the tipping floor. A Contaminated Water Management Plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed prior to reaching capacity. A TCEQ registered vacuum truck will remove the wastewater from the holding tank and transport it to a permitted wastewater plant or a registered/permitted liquid processing/transfer/disposal facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside tank of the dual-wall tank) and the pump and automatic switch will be inspected. The tank will be cleaned as necessary.

## 2.3.1 Surface Water and Groundwater Protection §330.63(b)(3)(A) & (4)

The proposed facility will be constructed, maintained, and operated to manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of contaminated water. Surface water in and around the facility will be controlled by grading the area around the transfer station structure away from the building to prevent surface water running into the transfer station structure. Since all contaminated water will be managed in a controlled manner, as discussed in this section, groundwater will be protected. In summary, the facility design complies with the requirements of 30 TAC §330.303, relating to Surface Water Drainage for Municipal Solid Waste Facilities.

For additional information on surface water drainage, see Part III, Attachment 1, Appendix A, Surface Water Drainage Plan.

## 2.3.2 Floor Wash Down§330.63(b)(3)(A) through (D) and §330.243(a)

Waste processing operations within the transfer station structure will be conducted on a covered tipping floor. All walls and floors in operating areas will be constructed of masonry, concrete, or other hard-surfaced materials that can be hosed down and scrubbed. Consistent with 30 TAC 330.243(a), the transfer station floor will be washed down on a weekly basis. Tipping floor washdown water will directed toward one end of the tipping floor and collected in a grit trap, which will drain by gravity to a sump to enable pumping into a minimum 2,000-gallon contaminated water holding tank.

A water holding tank will provide supplemental water supply for wash down of the concrete tipping floor and will also be used if needed for fire protection, as described in Part IV – Site Operating Plan, Section 11. A spray nozzle, such as a standard wash-down gun product, will be used to hose down the concrete tipping floor. The water tank will be supplied by the public water line located on SH 24 or a water well to be located on the property.

## 2.3.3 Protection of Endangered Species §330.63(b)(5)

As detailed in Section 3.6 of Parts I/II, a Protected Species Habitat Assessment was conducted that concluded that "... the proposed project is not expected to have any impacts on the federally or state-listed threatened or endangered species."

# 3.0 SURFACE WATER DRAINAGE REPORT §330.63(C)

In accordance with §330.63(c), the drainage and floodplain criteria applicable to this proposed facility are summarized in the following sections.

## 3.1 DRAINAGE DESIGN §330.63(C)

The facility will be constructed and operated to comply with the requirements of §330.303. The design of the facility will manage run-on and runoff during the peak discharge of a 25-year rainfall event and will prevent the off-site discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials. Surface water drainage in and around the facility will be controlled to minimize surface water running onto, into, and off of the processing area. The Surface Water Drainage Plan for the site is included in Part III, Attachment 1, Appendix A.

## 3.2 FLOODPLAIN CONSIDERATIONS §330.63(C)

As indicated on Figure I/II-9, the transfer station facility and access road will not be constructed within the 100-year floodplain or the floodway.

# 4.0 WASTE MANAGEMENT UNIT DESIGN §330.63(D)(1)

In accordance with §330.63(d), the general design and waste operations and storage are summarized in the following sections.

## 4.1 WASTE OPERATIONS §330.63(D)(1)(A)

The facility is designed for efficient waste processing and transfer. All solid waste will be stored on the building tipping floor only and processed or transferred promptly, thereby preventing nuisances and public health hazards.

General operations will be conducted in a manner that allows for the prompt and efficient unloading of waste. The waste will be discharged from the collection vehicles onto the facility processing floor (tipping floor). Waste will be loaded into open-top transfer trailers, covered and transported to an authorized disposal facility.

As shown on Part III, Attachment 1, Figures III-1.3, the collection trucks will enter the site and will weigh-in at the scale house. The trucks will proceed to the transfer station building where they will unload the waste onto the tipping floor for processing and then return to the on-site access road to the exit the site. After the waste has been processed, the waste will be loaded into transfer trucks located on the tipping floor. After the transfer trucks are full, they will be tarped and proceed to the facility exit. Empty transfer trucks that are awaiting loading will que up on the area leading to the building.

# 4.2 SPILL PREVENTION AND CONTROL §330.63 (D)(1)(B) AND §330.227

Staging and processing areas at this facility will be located within the transfer station structure. The tipping floor is designed to control and contain spills and contaminated water. Contaminated water generated by the transfer station consists of washdown water applied to the tipping floor. Contaminated water is conveyed from the tipping floor to a minimum 2,000-gallon holding tank, which is pumped by a registered hauler and transported to a permitted waste water treatment facility for disposal.

## 4.3 WASTE STORAGE PERIOD §330.63 (D)(1)(A) AND (C)

The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harborage of other vectors. Solid waste will be stored in a manner to prevent fires, ensure safety, prevent a health hazard, or preclude food or harborage for animals and vectors, and contained to minimize windblown solid waste and litter. Solid waste will be stored either in a transfer trailer with a tarp cover or on the tipping floor with a tarp cover. Recyclable materials stored on the tipping floor or in enclosed containers will not require tarping. The maximum time waste material will be stored will not exceed 48 hours for the transfer station, except on holidays or weekends. On holidays and/or weekends the maximum time will not exceed 72 hours.

# 5.0 CLOSURE PLAN §330.63(H)

A closure plan is included as Part III, Attachment 2.

# 6.0 COST ESTIMATE FOR CLOSURE §330.63(J)

A cost estimate for the final closure of the facility is included as Part III, Attachment 3. The estimated cost in 2021 dollars is \$55,200.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART III – ATTACHMENT 1 GENERAL FACILITY DESIGN PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021

817/571-2288

Revision 0: August 2021 SCS Project No. 16219083

## FIGURES

- Figure III-1.1 Site Layout Plan
- Figure III-1.2 Waste Movement Flow Chart
- Figure III-1.3 Waste Process Schematic View
- Figure III-1.4 Transfer Station Partially-Enclosed Building Layout
- Figure III-1.5 Transfer Station Partially-Enclosed Building Elevations
- Figure III-1.6 Contaminated Water Management Plan
- Figure III-1.7 General Construction Details

## APPENDICES

Appendix A – Surface Water Drainage Plan



SCS Engineers TBPE Reg. # F-3407

## **FIGURES**

scs engineers August 2021







Applicant's Ex. 1, p. 001218



Applicant's Ex. 1, p. 001219

CCE BOLLARD -(TYP.) Ο  $\mathcal{O}$ TIPPING FLOOR - TRANSFER VEHICLES DRIVES INTO UNLOADING POSITION - WALL (TYP.) (3) 120' GRIT TRAP AND SUMP -FOR CONTAMINATED WATER (SEE NOTE 1) Ē SLOPE SLOPE A III-1.5 - ELECTRICAL, SUPPLY STORAGE AREAS F WASTE COLLECTION VEHICLES DRIVES INTO AN UNLOADING POSITION Oр 120' EGRESS SLOPE









#### NOTES:

- PERIMETER FENCING ALONG THE PERMIT BOUNDARY WILL BE BARBED WIRE OR A CHAIN LINK FENCE TO PROVIDE SECURITY. A GATE WILL BE PROVIDED AT THE ENTRANCE.
- 2. ALL-WEATHER ENTRANCE ROAD WILL CONSIST OF EITHER:
- A<u>SPHALT PAVEMENT</u> MINIMUM 2" THICK ASPHALT SURFACE, 12" THICK ASPHALT BASE, 4" THICK PREPARED SUBGRADE
- <u>CONCRETE PAVEMENT</u> 9" THICK REINFORCED CONCRETE, 6" THICK AGGREGATE BASE, 4" THICK PREPARED SUBGRADE
- ALTERNATE ASPHALT, CONCRETE OR OTHER ROAD BUILDING MATERIAL AT THE FACILITY'S DISCRETION
- 3. EXISTING CONTOURS SHOWN ARE A COMBINATION OF TOPOGRAPHIC FEATURES, AND PERMIT BOUNDARY FROM A GROUND SURVEY CONDUCTED BY SURVEY AND MAPPING, LLC (SAM), DATED JANUARY OF 2021; ADDITIONAL CONTOUR INFORMATION ACQUIRED FROM TOPOGRAPHY CREATED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), DATED 2007.
- 4. THE DESIGN OF THE FACILITY WILL MANAGE RUN-ON AND RUNOFF DURING THE PEAK DISCHARGE OF A 25-YEAR RAINFALL EVENT AND WILL PREVENT THE OFF-SITE DISCHARGE OF WASTE AND FEEDSTOCK MATERIALS. SURFACE WATER DRAINAGE IN AND AROUND THE FACILITY WILL BE CONTROLLED TO MINIMIZE SURFACE WATER RUNNING ONTO AND OFF THE TREATMENT AREA.



FOR PERMITTING PURPOSES ONLY







#### **TYPE V TRANSFER STATION REGISTRATION APPLICATION**

#### FOR

## HIGHWAY 24 TRANSFER STATION REGISTRATION NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART III - ATTACHMENT 1 – APPENDIX A SURFACE WATER DRAINAGE PLAN

**Prepared for: Transfer Station Solutions, LLC** KUNT7 P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

#### SCS ENGINEERS

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision: August 2021 SCS Project No. 16219083
## **TABLE OF CONTENTS**

## 

#### APPENDICES

	Appendix III-1-A-I	DRAINAGE CALCULATION
--	--------------------	----------------------

#### FIGURES

Figure III-1-A.1	DRAINAGE PLAN
Figure III-1-A.2	DRAINAGE DETAILS



SCS Engineers TBPE Reg. # F-3407

# 1.0 INTRODUCTION

This Surface Water Drainage Plan was prepared as a part of this Type V permit application for the Highway 24 Transfer Station. The surface water drainage design presented in this attachment was prepared consistent with 30 TAC 330.63(c) and 330.303. The facility is not a landfill or compost unit; therefore, a surface water drainage report to satisfy the requirements of 30 TAC, Subchapter G, and 30 TAC 330.63(c)(1) and 330.63(c)(2) is not required.

Drawings provided in this attachment depict the proposed facility layout and drainage plans for the facility. The total area of the facility property (permit boundary) is 5.9 acres. The facility property is located primarily on undeveloped rangeland consisting of grassed slopes, with the exception of small portions previously disturbed from sand and gravel mining operations.

The facility will be constructed, maintained, and operated to manage stormwater run-on and runoff during the peak discharge of a 25-year rainfall event and prevents the discharge of waste and feedstock material, including, but not limited to, in-process and/or processed materials.

Surface water drainage in and around the facility is controlled to minimize surface water running onto, into, and off the transfer station building. The transfer station structure, entrance road, scale house and scales will be constructed on elevated fill material. Water falling outside the elevated fill material will be directed either around or away from the facility or into on-site culverts. The transfer station structure will be a roofed building. All waste handling procedures will be conducted within the roofed building. Rain water that falls onto the transfer station building, entrance road, scale house and scales will be graded to flow offsite. All stormwater that flows off the facility property is not contaminated water.

The hydrologic and hydraulic analysis methods used for calculating the rainfall intensity and peak flow rates are described in the following sections of this attachment.

The proposed facility and boundary of the Highway 24 Transfer Station is presented on Figures III-1-A.1, Drainage Plan.

The Highway 24 Transfer Station facility is located outside of the FEMA 100-year floodplain. This is shown in Part I/II, Figure I/II-9, Floodplain Map. Therefore, an additional floodplain analysis was not performed for this permit application.

# 2.0 HYDROLOGIC AND HYDRAULIC ANALYSIS

The rational method was utilized to compute the peak 25-year flowrates for the design of all onsite channels and culverts as all these items had maximum drainage areas of less than 200 acres. The peak flowrates were calculated using Texas Department of Transportation (TxDOT) criteria, TxDOT Hydraulic Design Manual, revised September 2019.

The rational method equation is expressed as:

Q = C\*I\*A

where:

Q = Flowrate in cubic feet per second (cfs),

- C = Run-off coefficient,
- I = Rainfall intensity in inches per hour, and
- A = Drainage area in acres.

The run-off coefficients (C) from the TxDOT criteria were selected based on the type of drainage area, and then modified using an area weighted average. The TxDOT criteria coefficients selected are as follows:

- Lawns, heavy soil, flat 2% = 0.15
- Streets, asphaltic = 0.95.

The rainfall intensity (I) from the TxDOT criteria is computed using the following equation:

where, for Hunt County:

25-Year Storm Event

$$b = 80.72$$
  
 $d = 8.22$   
 $e = 0.7798$ 

The time of concentration (t<sub>c</sub>), in minutes, was computed by determining the time required for runoff to flow from the most hydraulically remote point in the watershed to the study point and was estimated using the Natural Resource Conservation Services (NRCS) Method equations for sheet flow and shallow concentrated flow. The hydraulic characteristics of open channel flow was estimated using Manning's equation. A minimum time of concentration of 10 minutes was utilized.

The Time of Concentration is computed using the following formula:

 $T_c = T_{sh}(sheet flow) + T_{sc}(shallow concentrated) + T_{ch}(channel)$ 

where:

 $T_c =$  Time of Concentration, minutes;

 $T_{sh}$  (sheet flow) = Time of Concentration for Sheet Flow, minutes;

 $T_{sh}$  (sheet flow) =  $[0.007(N_{ol}L_{sh})^{0.8}]/[(P_2)^{0.5}S_{sh}^{0.4}]$ , where:

 $N_{ol}$  = overland flow roughness coefficient; grass, short prairie, 0.15 and smooth surfaces (concrete, asphalt, gravel, or bare soil), 0.011.

 $L_{sh}$  = sheet flow length, feet, 100 feet maximum.

 $P_2 = 2$ -year, 24-hour rainfall depth, inches, provided in NOAA Atlas 14 Precipitation Frequency Estimate; 4.20 inches.

 $S_{sh}$  = sheet flow slope, feet/foot.

 $T_{sc}$  (shallow channel) = Time of Concentration for Shallow Channel Flow, minutes;

 $T_c$  (shallow concentrated) =  $L_{sc}/(3600 \text{KS}_{sc}^{0.5})$ , where:

 $L_{sc}$  = shallow concentrated flow length, feet.

K = 16.13 for unpaved surfaces, 20.32 for paved surfaces.

S<sub>sc</sub>= shallow concentrated flow slope, feet/foot.

 $T_{ch}$  (channel) = Time of Concentration for Channel Flow, minutes

 $T_c$  (channel) = (L/V) x 60 sec./min' where:

L = length of channel, feet; and

V = estimated flow velocity of channel using Manning's equation, feet per second.

Two existing 42" culverts have been incorporated into the transfer station facility design. The culverts have been designed with the Pipe Culvert function of the HYDROCALC Hydraulics, Version 2.0.1, computer program. The HYDROCALC program analyzes culverts using the methods and equations described in the Federal Highway Administration report "Hydraulic Design

of Highway Culverts" (FHWA, 1985).

The culverts are located under the facility entrance road near the entrance gate. Both the inlet and the outlet of the culverts will be mitered at a 3:1 horizontal to vertical slope with a 1.35 percent flowline slope. The culverts were designed with corrugated HDPE pipes. A Manning's Roughness Coefficient of 0.012 was utilized for normal depth computations for a smooth corrugated HDPE pipe.

Rock riprap protection has been provided at the outlets of both culverts. Stone riprap outlet protection was designed utilizing the USDA SCS "Design Outlet Protection From a Round Pipe Flowing Full, Minimum Tailwater Condition" chart. Rip-rap will be composed of a well-graded mixture of stone, sized such that fifty percent of the pieces by weight shall be larger than the calculated size, d<sub>50</sub>, which is 8 inches. The diameter of the largest stone (d<sub>100</sub>) will be 1.5 times d<sub>50</sub> and the thickness of the pad will be twice d<sub>50</sub>. The minimum apron length will be 22 feet

The location of the culverts is shown on Figure III-1-A.1. Details and typical cross section of the culverts are shown on Figure III-1-A.2. Calculations of the culvert structure is included in Appendix III-1-A-1.

#### APPENDIX III-1-A-1 DRAINAGE CALCULATIONS

#### 25-Year Post-Development Rational Method Calculations

HIGHWAY 24 TRANSFER STATION HUNT COUNTY, TEXAS PROJECT NO.: 16219083.00

Constants:

2-yr, 24-hr storm depth = 4.20 (in), source: Ref. B

												4% (25-YEAF	l)
						Time of Concen	tration (Ref A)				Rational I	Method Dischar	ge (Ref. A)
Discharge Study Point	Subbasin ID	Area	Flow Type	Length	Slope	Surface Condition <sup>1</sup>	Manning's n <sup>2</sup>	Overland Flow Roughness Coefficient <sup>2</sup>	Runoff Velocity	Travel Time	Runoff Coeffecient, Area Weighted <sup>2</sup>	Rainfall Intensity	Discharge
		(acres)		(ft)	(ft/ft)				(ft/s)	(min)	"C"	(in/hr)	(ft <sup>3</sup> /s)
		(111)			( ) / /				<b>V</b> / -1	. ,		.,,,	. , ,
			SF	100	0.0200	A		0.011	1.58	1.1			
ו פח	*	2.22	SCF	270	0.0200	U		16.13	2.28	2.0	0.41	9.20	9.1
Dr - I	~	2.52	CF	0							0.41	0.37	0.1
								Time of Concer	ntration $^3$ ; S =	10.0			
			SF	100	0.0200	A		0.011	1.58	1.1			
DP-2	C	1.57	SCF	80	0.0200	U		16.13	2.28	0.6	0.32	8 20	4.2
01-2	C	1.57	CF	0							0.52	0.07	4.2
								Time of Concentration $^3$ ; S = 10.0		10.0			
			SF	100	0.0200	E		0.150	0.19	8.6			
DP-3	$C \in E \cap S_1$ and $OS_2$	111.40	SCF	1165	0.0192	U		16.13	2.24	8.7	0.15	4 9 4	82.0
Dr-3	C, L, I, OS-I, dild OS-Z	111.40	CF	2495	0.0077	GL	0.027		4.00	10.4	0.15	4.70	02.7
								Time of Concer	ntration $^3$ ; S =	27.6			
			SF	100	0.0200	A		0.011	1.58	1.1			
	R	1.36	SCF	65	0.0200	Р		20.33	2.87	0.4	0.47	8 30	5.4
01-4	U	1.00	CF	0							0.4/	0.07	5.4
								Time of Concer	ntration $^3$ ; S =	10.0			
			SF	100	0.0200	E		0.150	0.19	8.6			
	Л	0.12	SCF	25	0.0200	Р		20.33	2.87	0.1	0.79	8 20	0.8
Dr-J	U	0.12	CF	0							0.77	0.37	0.0
								Time of Concer	ntration $^3$ ; S =	10.0			

1) Surface Conditions: A=sheet flow: smooth surface, paved; E = sheet flow: short grass, prairie; U = shallow concentrated flow, unpaved; P = shallow concentrated flow, paved; and GL = channel flow, grass-lined.

2) Rational method coefficients taken from Ref. A, below, and then modified based on an area weighted average. 3) Times of concentration less than 10 minutes were taken as  $T_c = 10.0 \text{ min}$  - see 30 TAC 330.55(b)(5)(A).

4) Flow Types: SF = Sheet Flow, SCF = Shallow Concentrated Flow, and CF = Channel Flow.

References:

A. Texas Department of Transportation (TXDOT), Hydraulic Design Manual, September 2019.

B. NOAA Atlas 14 Precipitation Frequency Estimate.

Page 1 of 1

#### PIPE CULVERT ANALYSIS COMPUTATION OF CULVERT PERFORMANCE CURVE

#### July 14, 2021

PROGRAM INPUT DATA	
DESCRIPTION	VALUE
Culvert Diameter (ft) FHWA Chart Number FHWA Scale Number (Type of Culvert Entrance) Manning's Roughness Coefficient (n-value) Entrance Loss Coefficient of Culvert Opening Culvert Length (ft) Invert Elevation at Downstream end of Culvert (ft) Invert Elevation at Upstream end of Culvert (ft) Culvert Slope (ft/ft)	3.5 2 0.012 0.8 95.0 523.9 526.0 0.0221
Starting Flow Rate (cfs) Incremental Flow Rate (cfs) Ending Flow Rate (cfs)	41.45 41.45 82.9
Starting Tailwater Depth (ft) Incremental Tailwater Depth (ft) Ending Tailwater Depth (ft)	0.0 0.0 0.0

#### \_\_\_\_\_

#### COMPUTATION RESULTS

 Flow Rate (cfs)	Tailwater Depth (ft)	Headwater Inlet Control	(ft) Outlet Control	Normal Depth (ft)	Critical Depth (ft)	Depth at Outlet (ft)	Outlet Velocity (fps)	
41.45	0.0	3.1	0.0	1.21	2.0	1.21	14.08	x 2 Culverts
82.9	0.0	6.12	0.0	1.77	2.84	1.77	16.94	

#### HYDROCALC Hydraulics for Windows, Version 2.0.1, Copyright(c) 1996-2010 Dodson & Associates, Inc., 5629 FM 1960 West, Suite 314, Houston, TX 77069 Email:software@dodson-hydro.com, All Rights Reserved.

# **Rainfall Intensity-Duration-Frequency Coefficients for Texas**

Based on United States Geological Survey (USGS) Scientific Investigations Report 2004–5041 "Atlas of Depth-Duration Frequency of Precipitation Annual Maxima for Texas"

#### **1. Select English or SI Units**

English	
•	

2. Select or Enter a Cour	nty
Hunt	

# 3. Enter a Time of Conc.

Select Units							
10	min						

Coofficient	50%	20%	10%	4%	2%	1%
Coencient	(2-year)	(5-year)	(10-year)	(25-year)	(50-year)	(100-year)
е	0.8069	0.7973	0.7862	0.7798	0.7756	0.7735
b (in.)	54.58	63.15	71.43	80.72	91.28	102.96
d (min)	10.04	9.42	8.63	8.22	8.35	8.53
Intensity (in./hr)	4.86	5.93	7.17	8.39	9.56	10.76

(Spreadsheet Release Date: August 31, 2015; data table reshuffle by Asquith July 14, 2016)

# **Rainfall Intensity-Duration-Frequency Coefficients for Texas**

Based on United States Geological Survey (USGS) Scientific Investigations Report 2004–5041 "Atlas of Depth-Duration Frequency of Precipitation Annual Maxima for Texas"

#### **1. Select English or SI Units**

English	
•	

2. Select or Enter a Court	nty
Hunt	

# 3. Enter a Time of Conc.

Sele	ct Units	
27.6	min	

Coofficient	50%	20%	10%	4%	2%	1%
(2-year)		(5-year)	(10-year)	(25-year)	(50-year)	(100-year)
е	0.8069	0.7973	0.7862	0.7798	0.7756	0.7735
b (in.)	54.58	63.15	71.43	80.72	91.28	102.96
d (min)	10.04	9.42	8.63	8.22	8.35	8.53
Intensity (in./hr)	2.92	3.55	4.25	4.96	5.67	6.42

(Spreadsheet Release Date: August 31, 2015; data table reshuffle by Asquith July 14, 2016)



III -164

Revision 0

#### REFERENCE



Figure 4-7. Example application of Kerby-Kirpich method

## Natural Resources Conservation Service (NRCS) Method for Estimating t<sub>c</sub>

The <u>NRCS</u> method for estimating  $t_c$  is applicable for small watersheds, in which the majority of flow is overland flow such that timing of the peak flow is not significantly affected by the contribution flow routed through underground storm drain systems. With the NRCS method:

 $t_c = t_{sh} + t_{sc} + t_{ch}$ Equation 4-16.

Where:

 $t_{sh}$  = sheet flow travel time  $t_{sc}$  = shallow concentrated flow travel time  $t_{ch}$  = channel flow travel time

NRCS 1986 provides the following descriptions of these flow components:

Sheet flow is flow over plane surfaces, usually occurring in the headwater of streams. With sheet flow, the friction value is an effective roughness coefficient that includes the effect of raindrop impact; drag over the plane surface; obstacles such as litter, crop ridges, and rocks; and erosion and transportation of sediment.

Sheet flow usually becomes shallow concentrated flow after around 100 feet.

Open channels are assumed to begin where surveyed cross section information has been obtained, where channels are visible on aerial photographs, or where blue lines (indicating streams) appear on <u>USGS</u> quadrangle sheets.

For open channel flow, consider the uniform flow velocity based on bank-full flow conditions. That is, the main channel is flowing full without flow in the overbanks. This assumption avoids the significant iteration associated with rainfall intensity or discharges (because rainfall intensity and discharge are dependent on time of concentration).

For conduit flow, in a proposed storm drain system, compute the velocity at uniform depth based on the computed discharge at the upstream. Otherwise, if the conduit is in existence, determine full capacity flow in the conduit, and determine the velocity at capacity flow. You may need to compare this velocity later with the velocity calculated during conduit analysis. If there is a significant difference and the conduit is a relatively large component of the total travel path, recompute the time of concentration using the latter velocity estimate.

If it is determined that a low slope condition or a transitional slope condition exists, the user should consider using an adjusted slope in calculating the time of concentration. See Time of Concentration.

## **Sheet Flow Time Calculation**

Sheet flow travel time is computed as:

$$t_{sh} = \frac{0.007(n_{ol}L_{sh})^{0.8}}{(P_2)^{0.5}S_{sh}^{0.4}}$$

Equation 4-17.

## Where:

 $t_{sh}$  = sheet flow travel time (hr.)

 $n_{ol}$  = overland flow roughness coefficient (provided in Table 4-6)

 $L_{sh}$  = sheet flow length (ft) (100 ft. maximum)

 $P_2 = 2$ -year, 24-h rainfall depth (in.) (provided in - <u>NOAA's Precipitation Frequency Data Server</u> for Atlas 14)

 $S_{sh}$  = sheet flow slope (ft/ft)

# Table 4-6: Overland Flow Roughness Coefficients for Use in NRCS Method in Calculating Sheet Flow Travel Time (NRCS 1986)

	n <sub>ol</sub>	
Smooth surfaces (concret	0.011	
Fallow (no residue)		0.05
Cultivated soils:	Residue $cover \le 20\%$	0.06
	Residue cover > 20%	0.17
Grass:	Short grass prairie	0.15
	Dense grasses	0.24
	Bermuda	0.41

# Table 4-6: Overland Flow Roughness Coefficients for Use in NRCS Method in Calculating Sheet Flow Travel Time (NRCS 1986)

	n <sub>ol</sub>	
Range (natural):		0.13
Woods:	Light underbrush	0.40
	Dense underbrush	0.80

NOTE: 'n' values for overland flows (nol) are not to be used in other channel or floodplain applications.

## **Shallow Concentrated Flow**

Shallow concentrated flow travel time is computed as:

$$t_{sc} = \frac{L_{sc}}{3600 K S_{sc}^{0.5}}$$

Equation 4-18.

## Where:

 $t_{sc}$  = shallow concentrated flow time (hr.)  $L_{sc}$  = shallow concentrated flow length (ft) K = 16.13 for unpaved surface, 20.32 for paved surface  $S_{sc}$  = shallow concentrated flow slope (ft/ft)

## **Channel Flow**

Channel flow travel time is computed by dividing the channel distance by the flow rate obtained from Manning's equation. This can be written as:

$$t_{ch} = L_{ch} / \left( (3600 \frac{1.49}{n} R^{\frac{2}{3}} S_{ch}^{\frac{1}{2}}) \right)$$

Equation 4-19.

Where:

 $t_{ch}$  = channel flow time (hr.)  $L_{ch}$  = channel flow length (ft)  $S_{ch}$  = channel flow slope (ft/ft) n = Manning's roughness coefficient  $\frac{a}{p_w}$  R = channel hydraulic radius (ft), and is equal to  $p_w$ , where: a = cross sectional area (ft<sup>2</sup>) and  $p_w$  = wetted perimeter (ft), consider the uniform flow velocity based on bank-full flow conditions. That is, the main channel is flowing full without flow in the overbanks. This assumption avoids the significant iteration associated with other methods that employ rainfall intensity or discharges (because rainfall intensity and discharge are dependent on time of concentration).

### **Manning's Roughness Coefficient Values**

Manning's roughness coefficients are used to calculate flows using Manning's equation. Values from <u>American Society of Civil Engineers</u> (ASCE) 1992, <u>FHWA</u> 2001, and Chow 1959 are reproduced in Table 4-7, Table 4-8, and Table 4-9.

Type of channel	Manning's n			
A. Natural streams				
1. Minor streams (top width at flood stage < 100 ft)				
a. Clean, straight, full, no rifts or deep pools	0.025-0.033			
b. Same as a, but more stones and weeds	0.030-0.040			
c. Clean, winding, some pools and shoals	0.033-0.045			
d. Same as c, but some weeds and stones	0.035-0.050			
e. Same as d, lower stages, more ineffective	0.040-0.055			
f. Same as d, more stones	0.045-0.060			
g. Sluggish reaches, weedy, deep pools	0.050-0.080			
h. Very weedy, heavy stand of timber and underbrush	0.075-0.150			
i. Mountain streams with gravel and cobbles, few boulders on bottom	0.030-0.050			
j. Mountain streams with cobbles and large boulders on bottom	0.040-0.070			
2. Floodplains				
a. Pasture, no brush, short grass	0.025-0.035			
b. Pasture, no brush, high grass	0.030-0.050			
c. Cultivated areas, no crop	0.020-0.040			
d. Cultivated areas, mature row crops	0.025-0.045			
e. Cultivated areas, mature field crops	0.030-0.050			
f. Scattered brush, heavy weeds	0.035-0.070			
g. Light brush and trees in winter	0.035-0.060			
h. Light brush and trees in summer	0.040-0.080			

#### Table 4-7: Manning's Roughness Coefficients for Open Channels

```
Hydraulic Design Manual
```

TxDOT 09/2019

Type of channel	Manning's n
i. Medium to dense brush in winter	0.045-0.110
j. Medium to dense brush in summer	0.070-0.160
k. Trees, dense willows summer, straight	0.110-0.200
l. Trees, cleared land with tree stumps, no sprouts	0.030-0.050
m. Trees, cleared land with tree stumps, with sprouts	0.050-0.080
n. Trees, heavy stand of timber, few down trees, flood stage below branches	0.080-0.120
o. Trees, heavy stand of timber, few down trees, flood stage reaching branches	0.100-0.160
3. Major streams (top width at flood stage > 100 ft)	
a. Regular section with no boulders or brush	0.025-0.060
b. Irregular rough section	0.035-0.100
B. Excavated or dredged channels	
1. Earth, straight and uniform	
a. Clean, recently completed	0.016-0.020
b. Clean, after weathering	0.018-0.025
c. Gravel, uniform section, clean	0.022-0.030
d. With short grass, few weeds	0.022-0.033
2. Earth, winding and sluggish	
a. No vegetation	0.023-0.030
b. Grass, some weeds	0.025-0.033 0.027
c. Deep weeds or aquatic plants in deep channels	0.030-0.040
d. Earth bottom and rubble sides	0.028-0.035
e. Stony bottom and weedy banks	0.025-0.040
f. Cobble bottom and clean sides	0.030-0.050
g. Winding, sluggish, stony bottom, weedy banks	0.025-0.040
h. Dense weeds as high as flow depth	0.050-0.120
3. Dragline-excavated or dredged	
a. No vegetation	0.025-0.033
b. Light brush on banks	0.035-0.060
4. Rock cuts	

Table 4-7:	Manning's	Roughness	Coefficients	for O	nen Chann	els
Table 4-7.	Manning 5	Roughness	coefficients	101 0	реп Спапп	CIS

Type of channel	Manning's n
a. Smooth and uniform	0.025-0.040
b. Jagged and irregular	0.035-0.050
5. Unmaintained channels	
a. Dense weeds, high as flow depth	0.050-0.120
b. Clean bottom, brush on sides	0.040-0.080
c. Clean bottom, brush on sides, highest stage	0.045-0.110
d. Dense brush, high stage	0.080-0.140
C. Lined channels	
1. Asphalt	0.013-0.016
2. Brick (in cement mortar)	0.012-0.018
3. Concrete	
a. Trowel finish	0.011-0.015
b. Float finish	0.013-0.016
c. Unfinished	0.014-0.020
d. Gunite, regular	0.016-0.023
e. Gunite, wavy	0.018-0.025
4. Riprap (n-value depends on rock size)	0.020-0.035 0.03
5. Vegetal lining	0.030-0.500

Table 4-7: Manning	s Roughness	Coefficients fo	or Open	Channels
		000000000000000000000000000000000000000	- open	0114111010

Table 4-8: Manning's Coefficients for Streets and Gutters

Type of gutter or pavement	Manning's n	
Concrete gutter, troweled finish	0.012	
Asphalt pavement: smooth texture	0.013	
Asphalt pavement: rough texture	0.016	
Concrete gutter with asphalt pavement: smooth texture	0.013	
Concrete gutter with asphalt pavement: rough texture	0.015	
Concrete pavement: float finish	0.014	
Concrete pavement: broom finish	0.016	
Table 4-8 note: For gutters with small slope or where sediment may accumulate, increase n values by 0.02 (USDOT, FHWA 2001).		

Material	Manning's n
Asbestos-cement pipe	0.011-0.015
Brick	0.013-0.017
Cast iron pipe	
Cement-lined & seal coated	0.011-0.015
Concrete (monolithic)	
Smooth forms	0.012-0.014
Rough forms	0.015-0.017
Concrete pipe	0.011-0.015
Box (smooth)	0.012-0.015
Corrugated-metal pipe (2-1/2 in. x 1/2 in. corrugations)	
Plain	0.022-0.026
Paved invert	0.018-0.022
Spun asphalt lined	0.011-0.015
Plastic pipe (smooth) 0.011	
Corrugated-metal pipe (2-2/3 in. by 1/2 in. annular)	0.022-0.027
Corrugated-metal pipe (2-2/3 in. by 1/2 in. helical)	0.011-0.023
Corrugated-metal pipe (6 in. by 1 in. helical)	0.022-0.025
Corrugated-metal pipe (5 in. by 1 in. helical)	0.025–0.026
Corrugated-metal pipe (3 in. by 1 in. helical)	0.027–0.028
Corrugated-metal pipe (6 in. by 2 in. structural plate)	0.033-0.035
Corrugated-metal pipe (9 in. by 2-1/2 in. structural plate)	0.033–0.037
Corrugated polyethylene	0.010–0.013
Smooth	0.009-0.015 0.012
Corrugated	0.018-0.025
Spiral rib metal pipe (smooth)	0.012-0.013
Vitrified clay	
Pipes	0.011-0.015
Liner plates 0.013-0	
Polyvinyl chloride (PVC) (smooth)	0.009-0.011

 Table 4-9: Manning's Roughness Coefficients for Closed Conduits (ASCE 1982, FHWA 2001)

Type of drainage area	Runoff coefficient
Business:	
Downtown areas	0.70-0.95
Neighborhood areas	0.30-0.70
Residential:	
Single-family areas	0.30-0.50
Multi-units, detached	0.40-0.60
Multi-units, attached	0.60-0.75
Suburban	0.35-0.40
Apartment dwelling areas	0.30-0.70
Industrial:	
Light areas	0.30-0.80
Heavy areas	0.60-0.90
Parks, cemeteries	0.10-0.25
Playgrounds	0.30-0.40
Railroad yards	0.30-0.40
Unimproved areas:	
Sand or sandy loam soil, 0-3%	0.15-0.20
Sand or sandy loam soil, 3-5%	0.20-0.25
Black or loessial soil, 0-3%	0.18-0.25
Black or loessial soil, 3-5%	0.25-0.30
Black or loessial soil, > 5%	0.70-0.80
Deep sand area	0.05-0.15
Steep grassed slopes	0.70
Lawns:	
Sandy soil, flat 2%	0.05-0.10
Sandy soil, average 2-7%	0.10-0.15
Sandy soil, steep 7%	0.15-0.20
Heavy soil, flat 2%	0.13-0.17 0.15
Heavy soil, average 2-7%	0.18-0.22

#### Table 4-10: Runoff Coefficients for Urban Watersheds

Type of drainage area	Runoff coefficient
Heavy soil, steep 7%	0.25-0.35
Streets:	
Asphaltic	0.85-0.95 0.95
Concrete	0.90-0.95
Brick	0.70-0.85
Drives and walks	0.75-0.95
Roofs	0.75-0.95

### Table 4-10: Runoff Coefficients for Urban Watersheds

## **Rural and Mixed-Use Watershed**

Table 4-11 shows an alternate, systematic approach for developing the runoff coefficient. This table applies to rural watersheds only, addressing the watershed as a series of aspects. For each of four aspects, the designer makes a systematic assignment of a runoff coefficient "component." Using Equation 4-22, the four assigned components are added to form an overall runoff coefficient for the specific watershed segment.

The runoff coefficient for rural watersheds is given by:

 $C = C_r + C_i + C_v + C_s$ Equation 4-22.

## Where:

C = runoff coefficient for rural watershed

 $C_r$  = component of coefficient accounting for watershed relief

 $C_i$  = component of coefficient accounting for soil infiltration

 $C_v$  = component of coefficient accounting for vegetal cover

 $C_s$  = component of coefficient accounting for surface type

The designer selects the most appropriate values for C<sub>r</sub>, C<sub>i</sub>, C<sub>v</sub>, and C<sub>s</sub> from Table 4-11.

#### FIGURES





В	1.36
С	1.57
D	0.12
Е	0.13
F	0.40
OS-1	88.82
OS-2	20.48

DP-2 4.2 DP-3 82.9 DP-4 5.4 DP-5 0.8

#### NOTES:

- PERIMETER FENCING ALONG THE PERMIT BOUNDARY WILL BE BARBED WIRE OR A CHAIN LINK FENCE TO PROVIDE SECURITY. A GATE WILL BE PROVIDED AT THE ENTRANCE.
- 2. ALL-WEATHER ENTRANCE ROAD WILL CONSIST OF EITHER:
- <u>ASPHALT PAVEMENT</u> MINIMUM 2" THICK ASPHALT SURFACE, 12" THICK ASPHALT BASE, 4" THICK PREPARED SUBGRADE
- <u>CONCRETE PAVEMENT</u> 9" THICK REINFORCED CONCRETE, 6" THICK AGGREGATE BASE, 4" THICK PREPARED SUBGRADE
- ALTERNATE ASPHALT, CONCRETE, AGGREGATE, OR OTHER ROAD BUILDING MATERIAL AT THE FACILITY'S DISCRETION
- 3. EXISTING CONTOURS SHOWN ARE A COMBINATION OF TOPOGRAPHIC FEATURES, AND PERMIT BOUNDARY FROM A GROUND SURVEY CONDUCTED BY SURVEY AND MAPPING, LLC (SAM), DATED JANUARY OF 2021; ADDITIONAL CONTOUR INFORMATION ACQUIRED FROM TOPOGRAPHY CREATED BY NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), DATED 2007.

### FOR PERMITTING PURPOSES ONLY

#### Applicant's Ex. 1, p. 001247

ENGINEERS CONRAD AND SCHMIDT

SS

٥Ë

A TE

FIGURE NO.

CADD FILE: IGURE III-3A SURFACE WATER RAINAGE AREA

08/2021 SCALE: AS SHOWN

III-1-A.1



Applicant's Ex. 1, p. 001248

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART III - ATTACHMENT 2 CLOSURE PLAN



**Prepared by:** 

#### SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

Revision 0: August 2021 SCS Project No. 16219083

## **TABLE OF CONTENTS**

#### **SECTION**

### <u>PAGE</u>

		1.0
III-2-2	CLOSURE REQUIREMENTS	2.0
	CERTIFICATION OF FINAL FACILITY CLOSURE	3.0
	POST-CLOSURE CARE REQUIREMENTS	4.0



**TBPE Reg. # F-3407** 

Revision O M:Pro\16219083\drafts\...\Clos. Plan, Att 2

## 1.0 INTRODUCTION

In accordance with 30 TAC §330.459 and 30 TAC §330.461, Section 2.0 of this plan describes the steps necessary to close the facility at any point during its active life. Section 3.0 discusses Post-Closure Land Use of the site. Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC §330.463(a)(1).

## 2.0 CLOSURE REQUIREMENTS

The facility includes a partially-enclosed building, a scale house with scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates.

At the time of closure, the Owner or Operator will transport any remaining waste, waste residues, and any recovered materials to an off-site disposal facility permitted by the TCEQ. The tipping floor and processing areas will be washed down and disinfected. There are no facility units to be dismantled or removed off-site. The contaminated water storage tank will be emptied, flushed, and disinfected, but will remain at the site. The scale house building will be closed and locked. The water tank will be emptied during the washdown process and will remain at the site. The grit trap and sump for the contaminated water will be emptied, flushed, and disinfected, but will remain at the site will be emptied, flushed, and disinfected, but will remain intact. The related piping will be capped/plugged at the exit from the grit trap and sump. The stormwater drainage features at the site will remain intact in a functioning condition.

If there is evidence of a release from a municipal solid waste unit, the executive director of the TCEQ may require an investigation into the nature and extent of the release and an assessment of measures necessary to correct an impact to groundwater, in accordance with 30 TAC §330.459(c).

In accordance with 30 TAC §330.461(a), no later than 90 days prior to the initiation of a final closure, the Owner will, through a public notice in the newspaper(s) of largest circulation in the vicinity of the facility, provide public notice for final facility closure. This notice will include the name, address, and physical location of the facility, the permit number, and the last day of intended receipt of materials for processing at the facility. The Owner or Operator will also make available an adequate number of copies of the approved Closure Plan for public access and review. The Owner or Operator will also provide written notification to the TCEQ of the intent to close the facility and place this Notice of Intent in the facility's operating record.

Closure activities for the site will begin after the date on which the facility receives the known final receipt of materials to be processed. The closure activities are as follows:

- Notify the TCEQ
- Post a minimum of one sign at the entrance to the facility notifying all persons who may utilize the facility of the date of closing for the facility and the prohibition against further receipt of waste materials after the stated date.
- Install suitable barriers at all gates or access points, or alternatively, fence around the entire waste processing area, to adequately prevent the unauthorized dumping of solid waste at the closed facility.
- Remove wastes, waste residues, and any recovered materials for disposal at an appropriate off-site location.
- Flush and disinfect the contaminated water holding tank.

- Wash and disinfect the transfer station building tipping floor and surfaces that have been in contact with waste, including contaminated water grit trap, sump, and related piping. Plug the related piping at the exit from the grit trap and sump.
- Drain the water tank during the washdown process.
- Conduct vector control procedures.
- Install suitable barriers, locks, and signs stating that the facility is closed.
- Repair damage to any fencing and gates and secure the site.
- Sample/test/classify the waste not readily identifiable as garbage, trash, or refuse, and transport to an approved disposal facility.
- Perform site inspection and prepare certification of closure in accordance with §330.461.

# 3.0 CERTIFICATION OF FINAL FACILITY CLOSURE

Following completion of all final closure activities for the facility, the Owner will submit, within 10 days, to the executive director for review and approval, a documented certification, signed by an independent registered professional engineer, verifying that final closure has been completed in accordance with the approved Closure Plan and the applicable rule provisions of 30 TAC Chapter 330, Subchapter K. The submittal to the executive director will include all applicable documentation necessary for certification of final closure.

Within 10 days after completing final closure activities for the facility, the Owner or Operator will submit to the executive director by registered mail a certified copy of an "affidavit to the public" in accordance with the requirements of 30 TAC §330.19 and 30 TAC §330.457(g) and place a copy of the affidavit in the facility's operating record.

Following receipt of the required final closure documents, as applicable, the TCEQ's regional office will conduct an inspection and provide a report verifying proper closure of the facility according to the approved Closure Plan before terminating operation and closing the facility will be acknowledged and the facility deemed properly closed.

In accordance with §330.461(c)(3), Transfer Station Solutions will submit a request to the TCEQ for voluntary revocation of the facility permit.

## 4.0 POST-CLOSURE CARE REQUIREMENTS

Post-closure maintenance of the site is not required as all wastes and waste residues will be removed during closure in accordance with 30 TAC 330.463(a)(1). Therefore, no post closure care period is required.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

> PART III – ATTACHMENT 3 CLOSURE COST ESTIMATE

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

#### SCS ENGINEERS

Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

SECTION		PAGE
1.0		III-3-1
2.0	CLOSURE COST ESTIMATE	

#### TABLES

Table III-3.1 Closure Cost Estimate

#### APPENDICES

Appendix III-3A Closure Cost Calculation



SCS Engineers TBPE Reg. # F-3407

## 1.0 INTRODUCTION

The closure cost estimate for the Highway 24 Transfer Station has been prepared in accordance with 30 TAC §330.505. Current TCEQ rules do not require post-closure maintenance for the transfer station.

## 2.0 CLOSURE COST ESTIMATE

The facility includes a partially-enclosed building, a scale house with a scales, an optional office/break room, water tank for the scale house and firefighting purposes, a contaminated water holding tank, transfer station structure, drainage features, and a perimeter fence with locking gates. The transfer station structure is a single-level, partially enclosed building with an above-grade processing floor (tipping floor). The structure footprint will be approximately 120 feet by 120 feet with a concrete tipping floor, steel framing, metal exterior wall panels on two sides, and a roof.

A detailed estimate in current dollars of the cost of hiring a third party that is not affiliated (as defined in 30 TAC §328.2) with the Owner or Operator to close the facility at any time during the active life, when the extent and manner of its operation would make closure most expensive, is included in Table III-3.1. The cleanup and disposition costs for onsite waste material are based on a per ton measure, as shown in closure cost calculations provided in Appendix 3A. Engineering costs associated with the closure are based on standard engineering practice based on SCS Engineers' experience in completing these services at similar facilities.<sup>1</sup> No dismantling of the transfer station, scale house, concrete pad(s) or drainage structures will be conducted at closure. No changes to the site elevations at closure will occur that will affect the final contour map.

The estimated closure cost based on the above considerations is included in the attached Table III-3.1 in 2021 dollars. A copy of the required documentation to demonstrate financial assurance will be submitted 60 days prior to initial receipt of waste. During the active life of the facility, the Owner will annually adjust the Closure Cost Estimate and the amount of financial assurance for inflation in accordance with 30 TAC, Chapter 37, Subchapter J. An increase in the closure cost estimate and the amount of financial assurance will be made if changes to the facility conditions increase the maximum cost of closure. A reduction in the closure cost estimate and the amount of financial assurance may be approved if the cost estimate exceeds the maximum cost of closure and the Owner or Operator has provided written notice to the TCEQ of the detailed justification for this reduction. A permit modification, in accordance with §307.70, is required to reduce the closure cost estimate and the amount of financial assurance coverage for closure will be provided until all requirements of the Closure Plan are completed and the site is determined to be closed in writing by the TCEQ.

<sup>1.</sup> SCS Engineers is a national environmental engineering company providing solid waste services (including closure plans for transfer stations) as a core business.

Item	Description	Cost
А	State Administration of Site Closure	
A.1	Survey site and review files to determine closure activities.	\$1,000
A.2	Prepared engineering plans and specifications.	\$4,000
A.3	Procure Bids.	\$2,000
A.4	Contract award and administration contract.	\$1,000
В	General Cleanup of Site and Process Units	
B.1	Cleanup and remove waste stored onsite	\$3,000
B.2	Transport waste by a properly authorized transporter and dispose of waste at a properly authorized facility	\$17,500
B.3	General cleanup to include wash down of facility. To include	\$6,000
	waters/media.	
B.4	Vector control procedures.	\$1,500
С	Secure Site	
C.1	Install locks and a sign stating the facility is closed. Make any needed	\$1,000
	repairs to fence and gate. Secure fence and gate.	
D	Certification of Abandonment and Completion of Cleanup	
D.1	Perform site inspection and prepare certification of closure.	\$6,000
D.2	Sample/test/classify waste (ash, liquid, sludge, other waste not	\$3,000
	readily identifiable as garbage, trash, refuse). To include lab reports, chain	
	of custody, quality assurance and quality control.	
D.3	Perform verification re-sampling and laboratory analysis.	\$2,000
	Closure Subtotal	\$48,500
	Contingency Cost (15%)	\$7,200
	Total	\$55,200

# Table III-3.1Cost Estimate for Third Party Closure

\* As noted in Part III, Section 4.3, the maximum waste inventory capacity is 500 tons for this facility

## **APPENDIX III-3A**

## CLOSURE COST CALCULATION
Item No.	Description	Estimated Quantity	Units	Approx. Unit Cost	Extended Cost	Notes
Α	State Administration of Site Closure					
1	Survey site and review files to determine closure activities	1	L.S.	\$1,000.00	\$1,000.00	Permit area to be surveyed
2	Prepare Engineering Plans and Specifications	1	L.S.	\$4,000.00	\$4,000.00	
3	Procure Bids	1	L.S.	\$2,000.00	\$2,000.00	
4	Contract award and administer contract	1	L.S.	\$1,000.00	\$1,000.00	
В	General Cleanup of Site and Process Units					
1	Cleanup and remove waste stored onsite	500	Tons	\$6.00	\$3,000.00	max.waste to be stored on site per SOP
2	Transport waste by a properly authorized transporter dispose of waste at a properly authorized facility.	500	Tons	\$35.00	\$17,500.00	Large capacity transfer trucks (cost based on operator and SCS experience)
3	General cleanup to include wash down of Facility. To include removal, transport, treatment, and disposal of all wash down waters/media.	1	L.S.	\$6,000.00	\$6,000.00	
4	Vector control procedures	1	L.S.	\$1,500.00	\$1,500.00	Assumes site requires one treatment by pest control co.
С	Secure Site					
1	Install locks and a sign stating the facility is closed. Make any needed repairs to fence and gate. Secure fence and gate.	1	L.S.	\$1,000.00	\$1,000.00	
D	Certification of Abandonement and Con	npletion of Cle	anup			
1	Perform site inspection and prepare certification of closure	1	L.S.	\$6,000.00	\$6,000.00	
2	Sample/test/classify waste (ash, liquids, sludge, other waste not readily identifiable as MSW). To include lab reports, chain of custody, quality assurance and quality control.	1	L.S.	\$3,000.00	\$3,000.00	
3	Perform verification re-sampling and laboratory analysis.	1	L.S.	\$2,000.00	\$2,000.00	Estimated
	Subtotal				\$48,000.00	
Е	Contingency Cost (15%)				\$7,200	
	GRAND TOTAL				\$55,200	

#### CLOSURE COST ESTIMATE CALCULATIONS HIGHWAY 24 TRANSFER STATION

Notes: 1. This estimate assumes the maximum volume of waste permitted will be stored onsite at the time of cleanup.

2. This estimate assumes the cleanup will be performed by a third party contractor.

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

#### FOR

#### HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 SCS Project No. 16219083

#### **TABLE OF CONTENTS**

#### **SECTION** PAGE 1 INTRODUCTION ......IV-1 General Facility Design ...... IV-1 1.1 1.2 1.3 Transfer Station Manager ...... .....IV-2 1.3.1 RYAN R. KUNTZ 1.3.2 Equipment Operators1.3.3 Gate Attendants .....IV-2 104689 .....IV-3 8/12/2021 SCS Engineers 1.3.4 Laborers..... 1.4 General Facility Equipment...... IV-3 Equipment for Emergencies ..... IV-4 1.4.1 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)..... IV-5 2.1 2.2 Measures for Controlling Prohibited Wastes ..... IV-7 Managing of Prohibited Wastes.....IV-8 2.2.1 2.2.2 Load Inspection Procedure ..... IV-9 Waste Acceptance Rate..... IV-9 2.3 Waste Storage and Processing Time.....IV-10 2.4 Waste Disposal.....IV-10 2.5 Waste and Effluent Testing......IV-10 2.6 3 FACILITY - GENERATED WASTES (30 TAC §330.205).....IV-11 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207).....IV-12 4 STORAGE REQUIREMENTS (30 TAC §330.209).....IV-13 5 APPROVED CONTAINERS (30 TAC §330.211) .....IV-14 6 7 CITIZEN'S COLLECTION STATION (30 TAC §330.213).....IV-15 REQUIREMENTS FOR STATIONARY COMPACTORS (30 TAC §330.215) ......IV-16 8

scs engineers August 2021

9	PRE-OPERATION NOTICE (30 TAC §330.217)IV-17
10	RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)IV-18
11	FIRE PROTECTION PLAN (30 TAC §330.221)
	11.1 Fire Protection TrainingIV-21
12	ACCESS CONTROL (30 TAC §330.223)
	12.1 Site Security
	12.2 Traffic Control
13	UNLOADING WASTE (30 TAC §330.225)IV-24 SCS Engineers
14	SPILL PREVENTION AND CONTROL (30 TAC §330.227) TBPE Reg. # F-3407 V-25
15	OPERATING HOURS (30 TAC §330.229)IV-26
16	FACILITY SIGN (30 TAC §330.231)IV-27
17	CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)IV-28
18	MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)IV-29
19	FACILITY ACCESS ROADS (30 TAC §330.237)IV-30
20	NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)IV-31
21	OVERLOADING AND BREAKDOWN (30 TAC §330.241)IV-32
22	SANITATION (30 TAC §330.243)IV-33
23	VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)IV-34
24	HEALTH AND SAFETY (30 TAC §330.247)IV-35
	24.1 Emergency PreparednessIV-35
	24.1.1 General MeasuresIV-35
	24.1.2 Measures for the Unloading and Receiving Area
	24.2 Emergency and Contingency ProceduresIV-36
25	EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)IV-36
26	DISEASE VECTOR CONTROLIV-37
27	DISPOSAL OF LARGE ITEMSIV-38

scs engineers August 2021

28	SALVAGING AND SCAVENGINGIV-3	9
29	HANDLING OF INDUSTRIAL WASTESIV-4	0
30	FACILITY INSPECTION AND MAINTENANCEIV-4	1

#### TABLES

IV-1 Summar	y of Personnel
-------------	----------------

- IV-2 Site Operational Equipment
- IV-3 Summary of Waste Types
- IV-4 Operating Record
- IV-5 Schedule and Notification Requirements for Access Breach
- IV-6 Facility Inspection and Maintenance List

#### APPENDICES

Appendix IV-1 Waste Acceptance Plan



SCS Engineers TBPE Reg. # F-3407

# 1 INTRODUCTION

This Site Operating Plan (SOP) for the Highway 24 Transfer Station has been prepared based on Title 30 of the Texas Administrative Code (30 TAC) Chapter 330, Subchapter E. The Highway 24 Transfer Station (facility) is a Type V municipal solid waste transfer station owned and operated by Transfer Station Solutions, LLC (TSS). The purpose of this SOP is to provide general instruction to site management and operating personnel throughout the operating life of the facility. This document provides an operating guide for site management to maintain the facility in compliance with the engineering design and applicable regulatory requirements of the Texas Commission on Environmental Quality (TCEQ) or appropriate successor agency, to protect human health and the environment, and to prevent nuisances. This plan is formatted to follow the regulatory criteria set forth in 30 TAC §330.201-249 (Subchapter E of the TCEQ Municipal Solid Waste Regulations). The plan may also serve as a reference source to assist in personnel training. This SOP and the permit will be kept onsite throughout the facility's life.

If, at any time during the life of the transfer station, the facility manager becomes aware of any condition in the approved SOP which necessitates a variation from the SOP to accommodate new technology or improved methods which makes it impractical to keep the facility in compliance with the SOP, the site owner will submit a revised SOP to the TCEQ. Such proposed changes to the approved SOP may require a modification to the Highway 24 Transfer Station permit application in accordance with 30 TAC §305.70 or an amendment to the permit application in accordance with 30 TAC §305.62. The appropriate modification/amendment will be submitted for action by the TCEQ.

## 1.1 GENERAL FACILITY DESIGN

The transfer station site includes the transfer station structure with a scale house/office and vehicle scales. The inbound scale will be installed initially, while the outbound scale will be installed in the future at discretion of Transfer Station Manager. The facility will include a water tank, a contaminated water holding tank, stormwater drainage features, and a fence with locking gates. The transfer station structure is a single-level, building with a processing floor (tipping floor). The building footprint will be approximately 120 feet wide by 120 feet long with concrete floor, steel framing, metal exterior panels on two sides, and a roof. The general design and construction details for the building components are included in Part III, Attachment 1, including a Site Layout Plan provided on Figure III1.1. The construction layout and building components are shown in Figures III-1.4 through III-1.7.

## 1.2 GENERAL FACILITY OPERATION

It is anticipated that incoming waste will mostly come in collection trucks (front-end- and rearend-loaded) and in roll-off boxes, with a lesser component received directly from small vehicles, dump trucks or end-dump style semi-tractor trailers. Waste collection vehicles will enter the site and be weighed at the scale. The gate attendant will screen incoming loads for their contents and acceptability and then direct these vehicles to the transfer station structure. Acceptable wastes will be off-loaded onto the tipping floor, inspected for prohibited wastes, and then loaded with site equipment into transfer trailers. Once transfer trailers are full, they will be tarped and taken to an appropriate licensed, registered or permitted facility for waste disposal and/or treatment.

## 1.3 GENERAL FACILITY PERSONNEL

#### 1.3.1 Transfer Station Manager

The Transfer Station Manager will be responsible for overall facility management and will be designated as the contact person for regulatory compliance matters. The Transfer Station Manager will be responsible for confirming that adequate personnel and equipment are available to provide facility operation in accordance with the SOP and the TCEQ regulations. The Transfer Station Manager will have the authority and responsibility to reject any and all unauthorized loads and have unauthorized materials removed from the facility. The Transfer Station Manager is responsible for conducting daily operations, administering the facility's SOP, and serving as the emergency coordinator. The Transfer Station Manager will operate equipment when necessary and will designate an alternate in their absence that will be capable of assuming and fulfilling the duties and responsibilities of the Transfer Station Manager.

The Transfer Station Manager will be in charge of verifying that compliance with the SOP is maintained as required by regulation and by the plan. The Transfer Station Manager will also be responsible for ensuring that all site operating personnel are trained in the contents of this site operating plan, other applicable components of the permit application, and the appropriate rules and regulations that are required to keep the facility in compliance. In accordance with §335.586(a) and (c), facility personnel must successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that maintains facility compliance with the regulations and they must take part in an annual review of their initial training. The Transfer Station Manager must ensure that the training program includes all the elements to comply with \$335.586(a)(2). The program must be directed by a person trained in waste management procedures, and must include instruction that teaches facility personnel waste management procedures relevant to the positions in which they are employed. The training program must be designed to so that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems. Personnel training records will be maintained in the Site Operating Record and will include evidence of successful completion of the training, type of training received, and the name of the instructor.

The Transfer Station Manager will maintain and document all training relative to this requirement in accordance with the record-keeping requirements outlined in Section 10.0 of this SOP.

**Qualifications:** Will be required to have a minimum of one year of operations experience with either a transfer station or similar facility; high school diploma or equivalent; be familiar with TCEQ regulations; and the various uses and capabilities of transfer station equipment. The Transfer Station Manager will maintain a MSW Class B license, as defined in 30 TAC §30.210.

### 1.3.2 Equipment Operators

Equipment Operators are responsible for the safe operation of the equipment they operate. As the personnel most closely involved with the actual operations, these employees are responsible for being alert for potentially dangerous conditions or careless and improper actions on the part of non-employees and other persons while on the premises. Equipment Operators will be trained to check for and identify prohibited wastes, and to alert the Transfer Station Manager for proper

removal. Equipment Operators monitor and direct unloading vehicles and are also responsible for maintenance, litter abatement, and general site cleanup. The Equipment Operators intervene as necessary to prevent accidents and report unsafe conditions immediately to the Transfer Station Manager. Examples of their daily responsibilities may include, but are not limited to: loading materials into transfer trailers and using equipment to sweep the tipping floor. The Transfer Station Manager or designated representative will supervise the equipment operations.

**Qualifications:** At a minimum, be capable of fulfilling the obligations and duties described under this section. Equipment Operators that are hired on the basis of specific heavy equipment experience may be assigned to operate specific types of equipment without additional training.

#### 1.3.3 Gate Attendants

The Gate Attendants will manage the scale house to receive waste. The gate attendants will perform the following tasks: control site access and screen incoming waste; visually inspect open containers to verify contents, including inquiring/checking for prohibited waste; dispense information on the proper utilization of the site; assess tipping fee charges; maintain records of each transaction and vehicles entering the facility; and direct persons to the transfer station structure as appropriate. The Transfer Station Manager or designated representative will supervise the Gate Attendants.

**Qualifications:** Will be required to have experience and education commensurate with job requirements, as described above, and computer literacy skills. If the new employee does not have previous transfer station experience, he/she will be required to complete a training program or on-the-job training specific to their job responsibilities, prior to working in an unsupervised position.

#### 1.3.4 Laborers

Laborers will provide miscellaneous operations support at the transfer station. This support will include, but is not limited to: sweeping the operations areas using manual equipment, performing facility wash-down, collecting and disposing of windblown litter, performing general equipment and building maintenance, and directing vehicles in the unloading areas. Other site personnel or Laborers may be employed from time to time in categories such as maintenance, litter abatement, and general site cleanup. The minimum qualifications for Laborers are the demonstrated abilities to perform assigned duties in a safe and effective manner. The Transfer Station Manager and/or the Equipment Operators will supervise the Laborers.

## 1.4 GENERAL FACILITY EQUIPMENT

Sufficient equipment will be provided to have adequate capability to conduct site operations in accordance with the design and conditions of the Site Development Plan (SDP) and this SOP.

The facility will typically use one bucket front-end loader and one raised-cab basket grapple loader with a scale (or similar materials handling equipment) for the transfer operations. The minimum equipment required to operate the facility is one front-end loader. Collection vehicles will unload MSW within the transfer station on the tipping floor. A front-end loader will typically push the MSW towards a grapple loader (or similar materials handling equipment), which will transfer the MSW from the tipping floor into the transfer trailers or directly load waste from tipping floor to transfer trailers. The facility will have a permitted maximum rate of waste acceptance of 1,000 tons per day.

The facility will provide sufficient equipment if the volume of daily waste transfer will require additional equipment. Additional company-owned or rental equipment, such as road tractors, water trucks, and backhoes, may be provided as necessary to enhance operational efficiency. At infrequent times, such as during equipment breakdown or periodic maintenance, additional equipment stationed at other company facilities will be transported to the transfer station as needed. Other equivalent types of equipment may be substituted on an as-needed basis to adequately maintain the transfer station and meet the operational standards required by the TCEQ's regulations in accordance with all applicable local, state, and federal regulations.

#### 1.4.1 Equipment for Emergencies

Each major piece of equipment, scale house, and transfer station structure will be equipped with fire extinguishers. The on-site water tank will be available for firefighting purposes. A first-aid kit will be maintained at the site. Personal Protective Equipment will be supplied to the operators and laborers, as needed.

# 2 WASTE ACCEPTANCE AND ANALYSIS (30 TAC §330.203)

## 2.1 WASTE SOURCES AND CHARACTERISTICS

This transfer station is authorized to accept municipal solid waste (MSW), Class 2 and 3 industrial non-hazardous waste and certain special waste that are described in this section. Special waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Consistent with §330.203(a), there are no limiting waste constituents or characteristics that may impact or influence the design and operation of the facility.

Waste accepted at the facility is expected to consist of the following wastes as defined in 30 TAC §330.3:

- Municipal Solid Waste Solid waste resulting from or incidental to municipal, community, commercial, institutional, and recreational activities, including garbage, rubbish, ashes, street cleanings, automobile parts, and all other solid waste other than industrial solid waste;
- Putrescible Waste Organic wastes, such as garbage, that are capable of being decomposed by microorganisms with sufficient rapidity as to cause odors or gases or are capable of providing food for or attracting birds, animals, and disease vectors;
- Rubbish Nonputrescible solid waste (excluding ashes), consisting of both combustible and noncombustible waste materials. Combustible rubbish includes paper, rags, cartons, wood, excelsior, furniture, rubber, plastics, brush, or similar materials; noncombustible rubbish includes glass, crockery, tin cans, aluminum cans, and similar materials that will not burn at ordinary incinerator temperatures (1,600 degrees Fahrenheit to 1,800 degrees Fahrenheit);
- Yard Waste Leaves, grass clippings, yard and garden debris, and brush, including clean woody vegetative material not greater than six inches in diameter that results from landscaping maintenance and land-clearing operations. The term does not include stumps, roots, or shrubs with intact root balls;
- Special Waste Any solid waste or combination of solid waste that because of its quantity, concentration, physical or chemical characteristics, or biological properties requires special handling and disposal to protect the human health or the environment. The following special waste that do not interfere with site operations will be accepted at this facility:
  - dead animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
  - pharmaceuticals, contaminated foods, or contaminated beverages other than those contained in normal household waste on a case by case basis;
  - empty containers which have been used for pesticides, herbicides, fungicides or rodenticides, provided the containers have been triple rinsed, crushed, or rendered unusable upon receipt at the gate; and

- Non-RACM Incidental amounts of non-regulated asbestos containing materials (Non-RACM) (incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight).
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.
- Construction or Demolition (C & D) Waste Waste resulting from construction or demolition projects; includes all materials that are directly or indirectly the by-products of construction work or that result from demolition of buildings and other structures, including, but not limited to, paper, cartons, gypsum board, wood, excelsior, rubber, and plastics;
- Class 2 Industrial Wastes Any individual solid waste or combination of industrial solid waste that are not described as Hazardous, Class 1, or Class 3 as defined in §335.506 of the TCEQ regulations (relating to Class 2 Waste Determination); and
- Class 3 Wastes Inert and essentially insoluble industrial solid waste, usually including, but not limited to, materials such as rock, brick, glass, dirt, and certain plastics and rubber, etc., that are not readily decomposable, as further defined in §335.507 of the TCEQ regulations (relating to Class 3 Waste Determination).

The transfer station will not accept the following wastes, referred to herein as prohibited wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- The following Special Wastes:
  - Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
  - Class 1 non-hazardous industrial waste;
  - o Untreated medical waste
  - Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
  - Septic tank pumpings;
  - o Grease and grit trap wastes;
  - Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing

any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);

- Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- o Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

A Waste Acceptance Plan is included in Part IV, Appendix IV-1.

### 2.2 MEASURES FOR CONTROLLING PROHIBITED WASTES

In order to address the detection and prevention of regulated hazardous wastes as defined in 40 Code of Federal Regulations (CFR) Part 261 and of polychlorinated biphenyls (PCB) waste as defined in 40 CFR Part 761, a Waste Screening Plan (WSP) and exclusion program will be implemented at the transfer station. The purpose of the program is to:

- 1. Prevent the unauthorized entry and disposal of wastes not approved by the rules and regulations of the TCEQ and the facility Permit
- 2. Protect the site operating personnel and customers using the facility
- 3. Maintain regulatory compliance

- 4. Assure that the site and surrounding areas are protected from possible contamination from prohibited wastes
- 5. Provide implementation procedures for the detection and exclusion program.

Procedures to detect and control the receipt of prohibited wastes include:

- 1. Informing facility customers and drivers of incoming hauling vehicles of prohibited wastes by posting one or more signs at the facility entrance listing prohibited wastes
- 2. Providing customers and drivers of incoming hauling vehicles (regular and occasional) with a written list of prohibited wastes
- 3. Training facility personnel:
  - Training for appropriate facility personnel responsible for inspecting or observing incoming loads to recognize regulated hazardous waste and PCB waste
  - Conducting random inspections of incoming loads in accordance with procedures described in this section
  - Maintaining records of all inspections

Facility personnel will be trained to inspect vehicles and identify regulated hazardous waste, polychlorinated biphenyl (PCB) waste, and other prohibited wastes. At a minimum, the gate attendant and equipment operators will be trained in inspection procedures for prohibited waste. Supervisors will provide personnel with on-the-job training. Records of employee training on prohibited waste control procedures will be maintained in the site operating record.

If transfer station personnel identify any of the above indicators in an incoming load, then that load will be directed to an area out of the flow of traffic and facility personnel will further assess the load. If the load is determined to contain prohibited waste, then the load will be rejected and directed back to the generator.

#### 2.2.1 Managing of Prohibited Wastes

Known prohibited wastes detected during inspection are returned immediately to the hauler. If the hauler is not available, the waste will be placed in suitable collection bins. An effort is first made to identify the entity that deposited the prohibited wastes and have them return to the site and properly disposed of the waste material. In the event that identification of the source is not possible, the Transfer Station Manager will manage the waste so it is disposed of properly; however, the waste will not be allowed to remain on the site in the collection bins for more than 72 hours.

In the event unauthorized waste is not discovered until after the collection vehicle that delivered it is gone, the site will attempt to segregate the unauthorized waste and manage it properly as directed by the Transfer Station Manager. The site will, if necessary, notify the TCEQ and seek guidance on how to dispose of the waste. Documentation will be included in the site operating record each time unauthorized or prohibited waste is discovered and removed from the site. Site personnel will have a basic understanding of both industrial and hazardous waste and their transportation and disposal requirements.

Unknown wastes undergoing analysis are properly segregated and protected against the elements, secured against unauthorized removal, and isolated from other waste and activities.

#### 2.2.2 Load Inspection Procedure

An Equipment Operator in the transfer station will visually inspect all incoming loads. Should any indication of prohibited waste be detected, appropriate personnel will conduct a thorough evaluation of the load. The driver is directed to a load inspection area in an unused area of the tipping floor where the load is discharged from the vehicle. The inspector breaks up the waste pile and inspects the material for any hazardous or prohibited waste. Facility personnel flag suspicious wastes. Known prohibited waste is placed back into the vehicle and the driver is instructed to depart the site. Should any regulated hazardous waste be detected, the entire load will be refused.

Reports of load inspections are completed for each inspected load. The reports include (at a minimum), the date and time of inspection, the name and address of the hauling company and driver, the type of vehicle, the size and source of the load, the contents of the load, the indicators of prohibited waste, and the results of the inspection.

In addition to the above procedure, incoming loads are inspected on a random basis. At a minimum, the transfer station will randomly inspect one percent of all incoming loads (not to be less than one incoming waste vehicle) per day. The driver of a randomly selected load will be notified at the scale house and instructed to proceed to the inspection area of the tipping floor that is out of the flow of normal transfer station traffic. At this point, the operator will visually inspect the contents of the load and document the contents for the type of waste contained. Following any random inspection, documentation of the inspection will be placed in the site's operating record. The documentation will include information such as the date, time, name of inspector(s), transporter/generator information, and waste information.

### 2.3 WASTE ACCEPTANCE RATE

It is anticipated that the transfer station facility daily waste rate will not exceed 1,000 tons per day. An estimate of the amount of waste to be received daily, by waste type, is as follows:

Table 17-5 Summary of Waste Types		
Weste Type	Estimated Daily	
waste Type	Amount	
MSW	50% to 100%	
C & D	0% to 50%	
Special Wastes	0% to 25%	
Yard Waste	0% to 25%	
Class 2	0% to 25%	
Class 3	0% to 25%	

#### Table IV-3 Summary of Waste Types

These waste amounts are only estimates and are not intended to be a limitation or constraint on the site operations.

## 2.4 WASTE STORAGE AND PROCESSING TIME

At the estimated peak, the amount of waste (all types as discussed above in Table IV-3) to be received daily will be 1,000 tons per day. Waste storage or holding will occur on the tipping floor, including partially-filled transfer vehicles at the end of the operating day. No storage of waste materials will occur off the tipping floor, other than loaded, covered transfer vehicles waiting to haul waste off-site. Solid waste will generally be processed within an average of 4 to 6 hours. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of nuisances or public health hazards due to odors, fly breeding, or harborage of other vectors. Storage periods significantly above average are as a result of equipment breakdown or acts of God are addressed in Section 21.

### 2.5 WASTE DISPOSAL

All acceptable wastes received will be transported to appropriately licensed, registered or permitted facility for waste disposal, treatment or processing. Whole scrap tires will be removed from the waste stream and disposed of or recycled per 30 TAC Chapter 328 of the TCEQ regulations Tires that are split in half, quartered or shredded, or subject to an agency exception, are allowed to be transported to permitted landfills for disposal.

## 2.6 WASTE AND EFFLUENT TESTING

As noted in Section 4, Contaminated Water Management, contaminated water will be stored in an on-site tank for transport to an approved wastewater treatment facility. Testing of the wastewater will be performed consistent with the requirements of the wastewater treatment facility, which receives contaminated water generated by the transfer station.

The facility does not accept or process grit trap wastes or sludges for which requirements in \$330.203(c)(2) apply, and therefore, waste and effluent sampling and testing is not required for the proposed waste streams. The effluent testing requirements in \$330.203(c)(1) do not apply to this facility since wastewaters are collected in an on-site tank and then transported by truck to a permitted wastewater plant or a registered/permitted liquid processing/transfer facility.

## 3 FACILITY - GENERATED WASTES (30 TAC §330.205)

The only wastes that the transfer station will generate are the contaminated water from the floor wash down process, incidental liquids in the trucks, and the waste in the portable sanitary facilities. The characteristics and approximated constituent concentrations of the waste in the portable sanitary facility will consist of only human waste and approved deodorizing chemicals utilized by an approved portable toiler provider. Portable sanitary facilities will be maintained in accordance with instructions from the providers of such facilities.

Also, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system. At the appropriate times, the owner will engage appropriately-trained contractors for maintenance of that system.

The contaminated water (wastewaters) from incidental liquids in the trucks and the floor wash down process will be managed in accordance with §330.207 as described in Section 4.0 of this Site Operating Plan. The transfer station will maintain documentation in the Site Operating Record indicating that the contaminated water as well as the portable sanitary waste was removed from the facility by a licensed or permitted entity eligible to receive and dispose of such wastes. The facility will not generate sludges, therefore the requirements of §330.205(d) do not apply.

# 4 CONTAMINATED WATER MANAGEMENT (30 TAC §330.207)

All liquids resulting from the operation of the transfer station will be disposed of in a manner that will not cause surface water or groundwater pollution. Implementing of a surface water drainage plan (see Attachment 1, Appendix A) that is designed to minimize and route storm water away from the waste processing area will protect surface water, thus minimizing the amount of contaminated water generated by the site.

Uncontaminated water is any water that has not come into contact with waste. Contaminated water is any water that has come into contact with waste. The pavement and ground surface around the perimeter of the transfer station structure will be graded to promote uncontaminated surface water drainage away from the building and toward the surface water drainage features. The surface water flow direction for the handling of the clean stormwater is depicted on Part III, Attachment 1, Figures III-1.6 and Part III, Appendix 1, Appendix A – Surface Water Drainage Plan.

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) inside the transfer station structure; therefore, contact of storm water with waste material will be very limited. To prevent creating odors or attracting vectors, contaminated water will not be allowed to accumulate on the tipping floor. Contaminated water will be directed toward one end of the sloped tipping floor. The contaminated water will be collected in a grated grit trap that is drained by gravity into a sump and then pumped to the contaminated water holding tank for storage and disposal. A contaminated water management plan, showing the layout of the grit trap, sump, holding tank, and associated piping for the handling of contaminated water is included in Part III, Attachment 1, Figure III-1.6. Details of the contaminated water management components are included in Part III, Attachment 1, Figure III-1.7. The contaminated water stored within the holding tank will be removed, as necessary, and hauled to a permitted treatment facility. A vacuum truck will remove the wastewater from the holding tank and take it to a permitted wastewater treatment plant or a registered/permitted liquid processing/transfer facility. The contaminated water holding tank will be inspected on a monthly basis. The tank will be inspected for evidence of leaks (water in the outside dual-wall tank); the pump and automatic switch will also be inspected. The tank will be cleaned as necessary.

The wastewaters discharged to a treatment facility permitted under Texas Water Code, Chapter 26 must not:

- 1. Interfere with or pass-through the treatment facility processes or operations;
- 2. Interfere with or pass-through the facility's sludge processes, use, or disposal; or
- 3. Be inconsistent with the prohibited discharge standards, including 40 Code of Federal Regulations Part 403, General Pretreatment Regulations for Existing and New Source Pollution.

Off-site discharge of contaminated waters will be made only after approval under the Texas Pollutant Discharge Elimination System authority.

# 5 STORAGE REQUIREMENTS (30 TAC §330.209)

Solid waste entering the facility will be stored in the covered TS structure or loaded in transfer trailers. All solid waste will be stored in a manner to prevent fires, ensure safety, prevent and control vectors and odors, and contained to prevent windblown solid waste and litter.

No solid waste loading, storage, or disposal will occur within any easement, buffer zone, or rightof-way that crosses the facility. When necessary, MSW material will be stored onsite for a maximum time not exceed 48 hours, except on holidays and/or weekends, where it will not exceed 72 hours. The volume of MSW stored overnight will not exceed 500 tons. Waste that is stored overnight will be in tarped transfer trailers or will be covered with a tarp on the TS tipping floor. Tarping of segregated recyclable materials will not be required.

## 6 APPROVED CONTAINERS (30 TAC §330.211)

Solid waste entering the facility is transferred from incoming haul vehicles to the tipping floor. Waste that is placed on the tipping floor will be transferred to transfer trailer vehicles via loading equipment. The transfer trailers will be durable and designed for safe handling and cleaning. The transfer trailers will be equipped with tarps or covers to be used during transport. In addition, the trailers are designed to prevent spillage or leakage during storage, handling, and transport.

The transfer trailers are washed, as necessary, so that they do not constitute a nuisance and to restrict the harborage, feeding, and propagation of vectors.

Reusable containers emptied manually must be capable of being serviced without physical contact with waste.

# 7 CITIZEN'S COLLECTION STATION (30 TAC §330.213)

Since this transfer station will charge all vehicles using the facility, only a small number of small vehicles are anticipated to utilize this facility. In view of the limited number of small vehicles, no citizen's convenience center is proposed for the facility. As such, the requirements of §330.213 do not apply. If a citizen convenience center is deemed necessary to address the needs of small vehicles in the future, a permit modification will be developed and submitted to the TCEQ to address this change.

# 8 REQUIREMENTS FOR STATIONARY COMPACTORS (30 TAC §330.215)

The facility will not utilize a stationary compactor, therefore the requirements of §330.215 do not apply to this facility.

# 9 PRE-OPERATION NOTICE (30 TAC §330.217)

The facility will not operate a mobile liquid processing unit or perform any type of liquid waste processing; therefore, the requirements of §330.217 do not apply.

## 10 RECORD-KEEPING AND REPORTING REQUIREMENTS (30 TAC §330.219)

A copy of the permit, the approved Permit application, the approved site operating plan, an asbuilt set of construction plans and specifications, and other required plans and related documents will be maintained in the operating record at the facility scale house. These plans and documents will be furnished upon request to TCEQ representatives and made available for inspection at a reasonable time by TCEQ representatives or other interested parties. These plans and documents are part of the facility's operating record and may consist of hard copies or as electronic documents. The operating record will be maintained in an organized format that will allow information to be easily located and retrieved. All information contained within the operating record and the different required plans will be retained during the active life of the facility and until after certification of closure.

The following records will be kept, maintained, and filed as part of the facility operating record. Log books and schedules may be used.

- Access Control Inspection and Maintenance;
- Daily Litter Pickup;
- Windblown Waste and Litter Control Operations;
- Dust Nuisance Control Efforts;
- Access Roadway Regrading;
- Fire Occurrence Notices, if applicable.

In addition to the plans and documents listed above, the information listed in Table IV-4 will be recorded and retained in the operating record. This information will promptly be placed in the operating record.

Records To Be Maintained	Rule Citation
1. All location-restriction demonstrations	§330.219(b)(1)
2. Inspection records and training procedures	§330.219(b)(2)
3. Closure plans and any monitoring, testing, or analytical data relating to closure requirements	§330.219(b)(3)
4. Cost estimates and financial assurance documents relating to financial assurance for closure	§330.219(b)(4)
5. Copies of all correspondence and responses relating to the operation of the facility, modifications to the permit, approvals, and other matters pertaining to technical assistance	§330.219(b)(5)

#### Table IV-4 Operating Record

Records To Be Maintained	Rule Citation
6. Documents, manifests, shipping documents, trip tickets, etc., involving special waste	§330.219(b)(6)
<ol> <li>Other document(s) as specified by the approved Permit or by the executive director</li> </ol>	§330.219(b)(7)
8. Record retention provisions for trip tickets	§330.219(b)(8)
9. Alternative schedules and notification requirements, if applicable	§330.219(g)
10. Inspection records and training procedures relating to fire prevention and facility safety	§330.221
11. Access control breach and repair notices	§330.223
12. Waste unloading/prohibited waste discovery	§330.225
13. Record of alternative operating hours if applicable	§330.229(b)

All reports and other information requested by the executive director will be signed by the owner or operator of the facility as described in 305.44 or by a duly authorized representative of the owner or operator. In accordance with 330.219(c)(1)(A)-(C), a person is a duly authorized representative only if:

- 1. The authorization is made in writing by the owner or operator as described in §305.44(a);
- 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the facility or activity or for environmental matters for the owner or operator, such as the position of plant manager, environmental manager, or a position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position; and
- 3. The written authorization is submitted to the executive director of the TCEQ.

The person signing the report will make the certification in accordance §305.44(b).

Additionally, annual reporting shall be submitted to the executive director of the TCEQ in accordance with §330.675(b).

## 11 FIRE PROTECTION PLAN (30 TAC §330.221)

No burning of waste materials will be permitted at the site, unless specifically authorized under special conditions from the TCEQ Executive Director. Accidental fires will be promptly extinguished. To minimize any hazards regarding fire, all employees will be instructed in the potential sources of fires and their appropriate control, as described below. All buildings and machinery at the site will be equipped with fire extinguishers of a type, size, number, and at locations specified by the fire marshal. All fire extinguishers will be kept fully charged, will have a current inspection, and will be ready for use at all times.

Flammable and combustible liquids will be stored in approved flammable-materials storage cabinets. Smoking, open flames, temporary heaters, and spark-producing containers, devices, or tools will not be permitted in areas where flammable materials are stored or handled. The storage cabinets containing flammable or combustible materials will be labeled.

Operating personnel will observe incoming waste collection vehicles to detect evidence of preignited materials in the vehicle. In most instances, these pre-ignited conditions are evident from the discharge of smoke and odors from the vehicle containing pre-ignited waste materials. The vehicle will be directed to an area of the site outside and not adjacent to any building, where waste can be safely discharged and the fire extinguished.

If the pre-ignited waste materials are discovered after having been unloaded inside the transfer station, the load will be pushed, if practical and safe, to a location outside and not adjacent to any building, for control and extinguishing. The extinguished waste materials will then be transported back into the transfer station for loading onto the transfer trailers.

The transfer station structure will be equipped with a water tank and pump and portable fire extinguishers, as indicated on the site plans and specified by the fire marshal. Fire protection systems will be installed in conformance with local building and fire codes and subject to approval by the local fire marshal and will be coordinated during the development of the construction plans for the facility. The water tank will be sized per the required local codes. The water tank size will be confirmed as meeting all building and fire codes at the time of construction. The water tank will be supplied by a water supply line or water well to be located on the property, or water will be trucked to the facility.

Any additional fire protection procedures required at that time by the fire marshal to comply with the local fire codes will be incorporated into this Fire Protection Plan by a Permit modification in accordance with §305.70.

Any fires managed at the site will be done so with the employees' safety in mind. Site personnel will initiate the following procedures upon detecting a fire:

- 1. Call the fire department;
- 2. Notify and request assistance from other operating personnel immediately;
- 3. Stop all site operations;
- 4. Push the fire out of the building if possible;

- 5. Use portable fire extinguishers and/or water hydrant;
- 6. Confine fire to a small area; and
- 7. Approach the fire from an upwind position to minimize exposure to combustible products.

In all instances of fires at the facility, the Hunt County Emergency Management / Fire Marshall will be notified (Phone No. 903-408-4246).

If a fire occurs that is not extinguished within ten minutes of detection, the TCEQ's regional office will be contacted as soon as practical after detection, but no later than four hours by telephone, and in writing within 14 days with a description of the fire and the resulting response.

The following firefighting equipment will be readily available in the event of fire:

- Fire extinguishers located in the waste processing equipment (front-end loaders, excavators, etc. used within the building for processing); and
- Water storage tank located beside the transfer station structure. The Water storage tank will remain filled to a level that supplies an adequate supply of water under pressure for extinguishing fires that may occur in the transfer building.

### 11.1 FIRE PROTECTION TRAINING

Qualified professionals will train on-site personnel in firefighting techniques, fire prevention, response, and the fire safety and protection aspects of the SOP, as explained in the above sections. The training will occur as outlined previously in Section 1.3.1 of this Site Operating Plan. Personnel will be familiar with the use and limitations of firefighting equipment available onsite. Records of this training will be included in the Site Operating Record in accordance with the recordkeeping requirement of Section 10.0 of this Site Operating Plan.

# 12 ACCESS CONTROL (30 TAC §330.223)

Fences and gates and other artificial barriers encompassing the entire transfer station facility will control public access to the transfer station. Access will be limited to the gated site entrance on State Highway 24 (SH 24). This site entrance will be secured by a gate that is monitored by site personnel during normal site operating hours. During extended operating hours (nights and weekends), the gate attendant may be replaced with an operator. Outside operating hours, the gates at the entrance and exit will be locked.

## 12.1 SITE SECURITY

Site security measures are designed to prevent unauthorized persons from entering the site, to protect the facility and its equipment from possible damage caused by trespassers, and to prevent disruption of facility operations caused by unauthorized site entry. Unauthorized entry into the transfer station facility is minimized by controlling access with fences and gates and other artificial barriers with the entrance road secured by a locking gate. The perimeter fence will consist of a 6-foot-high chain-link fence, and/or a barbed wire fence (at least three-strand) or a mesh wire.

The site entrance located off of SH 24 will serve the transfer station. This site entrance is secured by a gate, and access to the transfer station is monitored by a site attendant that may consist of a Scale Attendant, Equipment Operator, Laborer or the Transfer Station Manager who will be on site during operating hours. Outside the operating hours, the gates at the entrance and exit will be locked.

Entry to the active portion of the transfer station is restricted to designated personnel, approved waste haulers, authorized users, and properly identified persons whose entry is authorized by site management. 30 TAC §330.223(b) requires safety bumpers at hoppers for vehicles. The transfer station layout does not contain hoppers; therefore, this regulation is not applicable to this facility.

The site's perimeter fencing, artificial barriers and gates will be inspected once weekly for integrity. Maintenance will be performed as needed to correct normal wear and tear. Site personnel or a third party company will perform repairs, as necessary.

## 12.2 TRAFFIC CONTROL

Access to the transfer station is limited to the site entrance located off of SH 24. Vehicular traffic to and from the transfer station will utilize this single access road. The site all weather access road will be at least 22-foot wide to accommodate two-way traffic entering and exiting the facility. The site exit onto SH 24 will be controlled by a stop sign. The site entrance/exit location and traffic flow directions are shown on Figure III-1.3. The site entrance/exit road, as well as the internal access roadways are designed for the projected facility traffic and will provide the appropriate width and turning radii for the waste vehicles to prevent a disruption in traffic flow at the facility. Mud and dust will be controlled in accordance with Section 19.0 of this SOP. The gate attendant or other designated employee will restrict site access to designated authorized vehicles and direct these vehicles appropriately. All visitor and employee parking and equipment storage will be located in an area outside of the transfer station traffic flow.

Signs located at the entrance of the transfer station direct solid waste transportation vehicles to the appropriate unloading/loading areas. Site personnel provide traffic directions as necessary to facilitate safe movement of vehicles.

# 13 UNLOADING WASTE (30 TAC §330.225)

Waste authorized to be accepted at the transfer station are described in Section 2.1 of this plan. Once an incoming vehicle's weight has been recorded, the gate attendant will direct the vehicle to the tipping floor area of the transfer station. The gate attendant will inform the hauler that the waste is only to be unloaded in the area where the hauler is directed to unload by site operating personnel. Signs directing traffic from the scale house to the transfer station structure will be located as needed along the route to the transfer station structure. Trained personnel inside the transfer station structure will direct and observe the unloading of waste. The owner or operator is not required to accept any solid waste which he/she determines will cause or may cause problems in maintaining compliance with the TCEQ regulations. Signs directing traffic from the transfer station structure to the exit road will be located as needed along the route from the transfer station structure to the transfer station.

Unloading waste in unauthorized areas will be prohibited. Any waste identified as having been deposited in an unauthorized area will be immediately moved to the tipping area. The trained personnel working inside the transfer station structure will observe each load that is dumped on the tipping floor. The trained personnel have the authority and responsibility to reject unauthorized loads, have the transporter remove unauthorized material. In situations where the transporter does not remove unauthorized material, the transfer station manager will implement procedures as described in Section 2.2.1 of this plan and assess appropriate surcharges. A record of unauthorized material removal will be maintained in the Site Operating Record.

Prohibited waste will not be allowed to enter the transfer structure. The gate attendant will be the first point of contact with the hauler. The hauler will be asked to inform the gate attendant of the content of the load. The gate attendant will visually inspect open containers to verify contents. In the event that prohibited wastes are identified in the load, the entire load will be turned away from the gate and not allowed entrance to the transfer station. In the event that the prohibited waste is not detected in the load until unloading on the tipping floor, the load will be handled as discussed in Section 2.2.1 of this plan.

# 14 SPILL PREVENTION AND CONTROL (30 TAC §330.227)

Solid waste processing operations will be conducted on a concrete-paved area (tipping floor) under the transfer station structure roof; therefore, contact of storm water with waste material is limited. A contaminated water management plan and related details for handling contaminated water and clean storm water is included in Part III, Attachment 1, Figures III-1.6, and III-1.7, and Attachment 1, Appendix A, respectively.

# 15 OPERATING HOURS (30 TAC §330.229)

To promote efficient, safe and sanitary operations at the facility, and to prevent any disruption of solid waste management services in the area, the following operating hours will apply:

Waste Acceptance Hours	5:00 a.m. to 6:00 p.m., Monday - 5	Saturday
Heavy Equipment Hours	4:00 a.m. to 7:00 p.m., Monday -	Saturday

General Facility Operations (i.e. floor cleaning, preventative maintenance, office work, janitorial services) 24 hours per day, seven days a week

Disaster or Emergency Hours; Additional Temporary Hours (Regional Office Approval Required – Document in Operating Record)

Alternative Operating Hours; Up to five additional days per annum (Special Occasions, Events, Holidays – Document in Operating Record)

The actual hours and days of operation will be posted on the entrance sign.

Hours of operation beyond the standard operating hours listed in 30 TAC § 330.229(a) are necessary to support the hauling operations that will utilize the facility and to ensure the efficient and timely receipt, processing, and transfer of solid waste for offsite disposal. Hauling operations in the area provide routine collection services on Saturdays and during the early morning hours. Extended hours will assist the owner and operator in properly managing the demand and ensuring compliance with the approved site development and operating plans for the facility. General facility operations will typically occur outside waste acceptance and heavy equipment operating hours to avoid interference with solid waste management activities at the transfer station.

# 16 FACILITY SIGN (30 TAC §330.231)

A conspicuous and readable sign will be displayed at the site entrance off of SH 24. The sign will measure at least 4 feet by 4 feet, and have lettering at least 3 inches in height stating the name of the site, type of site, hours and days of operation, an emergency 24-hour contact phone number(s), the local emergency fire department phone number, and the TCEQ Permit number. Another sign will list all prohibited wastes from receipt at the facility as discussed in this SOP and will be located along the facility entrance road. Other signs stating rules, operating procedures, and warnings will also be posted in this area.

Within the site, signs will be placed along the transfer station access road at an adequate frequency to direct users to the transfer station structure.

Signs prohibiting smoking will be posted near the facility entrance or scale house. A sign will be prominently displayed at the facility entrance stating that all loads will be properly covered or otherwise secured.

## 17 CONTROL OF WINDBLOWN MATERIAL AND LITTER (30 TAC §330.233)

Transfer of waste will occur within the confines of the transfer station structure tipping floor and will be protected from the wind. The perimeter fence surrounding the site will capture any incidental windblown trash. Litter along fence lines, access roads, or surrounding the building will be collected and brought to the processing area at least once per day when the facility is operating. Collection vehicles will be completely enclosed or covered as they enter and exit the facility to minimize windblown trash.

# 18 MATERIALS ALONG ROUTE TO THE FACILITY (30 TAC §330.235)

The transfer station manager will take steps to encourage operators of open-top vehicles hauling waste to the facility to utilize tarpaulins, nets, or other means to effectively secure their loads. In addition to routine checks by the gate attendant, actions such as posting signs, reporting offenders to proper law enforcement officers, adding surcharges or similar measures will be taken to control the spillage of waste en route to the transfer station facility. On days when the facility is in operation, the transfer station manager will be responsible for at least once per day visual inspection along and within the right-of-way of all public access roads serving the facility for a distance of 2 miles in either direction from the entrance to the facility. Cleanup of waste will be based on need, as a result of the daily inspection. The transfer station manager or his designee will consult with TxDOT officials as necessary concerning cleanup of state highways and rights-of-way consistent with 30 TAC §330.235.

# 19 FACILITY ACCESS ROADS (30 TAC §330.237)

The scale house area and entrance/exit road to/from the transfer station facility are designed to be accessible in all weather conditions. The entrance/exit road and all internal facility roadways are surfaced with asphalt, concrete, gravel, crushed rock, or similar materials. The surface condition of these roads will be maintained and repaired regularly to minimize potholes or low spots to promote positive drainage. The surfacing of all site roadways will minimize the tracking of mud and trash onto public roads. Any tracked mud and associated debris that accumulates on facility roadways will be cleaned by washing down, sweeping, or scraping, as necessary, to minimize tracking those materials onto the public roadways. Litter and any other debris will be monitored at least daily, and picked up on an as-needed basis and taken to the transfer station for disposal as discussed in Section 18.0 of this plan.

Fugitive dust emissions will be minimized by the surfacing or watering of all on-site roadways and regular cleaning procedures.

# 20 NOISE POLLUTION AND VISUAL SCREENING (30 TAC §330.239)

The site will be designed to minimize the potential noise pollution and visual impact to neighboring landowners and the public. Waste processing operations will be conducted within the transfer station structure, thereby minimizing noise pollution and adverse visual impacts.
# 21 OVERLOADING AND BREAKDOWN (30 TAC §330.241)

The design capacity of the facility of 1,000 tons per day will not be exceeded. The facility will not accumulate solid waste in quantities that cannot be processed within such time as will preclude the creation of odors, insect breeding, or harboring of other vectors. If such accumulations occur, additional solid waste will not be received until the adverse conditions are abated.

The maximum volume of waste that will be stored at the transfer station at any given time is 500 tons. Waste storage or holding will occur on the tipping floor. No storage of waste materials will occur off the tipping floor, other than loaded transfer vehicles waiting to haul waste off-site.

If a significant work stoppage should occur at the facility due to a mechanical breakdown or other causes, the facility will accordingly restrict the receipt of solid waste. Storage periods significantly above average that are a result of equipment breakdown or acts of God will only be permitted for the time required to repair or replace the malfunctioning equipment, unless authorized by TCEQ. The solid waste will not be allowed to accumulate on-site for such a period that will allow the creation of a nuisance or public health hazard due to odors, fly breeding, or harborage of other vectors. If waste remains on the tipping floor during these periods, cover tarps will be used to control potential odors, flies and other vectors. The maximum holding time under these circumstances will not exceed 48 hours, except holidays and weekends. During holidays and/ or weekends, waste may be temporarily stored at the facility not to exceed a time period of 72 hours. Waste is generally stored for less than 24 hours.

If the work stoppage is anticipated to last longer than the time periods noted above, steps will be taken to remove the accumulated solid waste from the site to an approved backup processing or disposal facility.

# 22 SANITATION (30 TAC §330.243)

The tipping floor and any other working surface that comes into contact with wastes will be washed down weekly. The slope of the transfer station floor and transfer station operations will prevent wash waters from accumulating, creating odors or an attraction to vectors. As discussed in Section 4, all wash waters will be collected and disposed of in an authorized manner.

# 23 VENTILATION AND AIR POLLUTION CONTROL (30 TAC §330.245)

Ventilation will be provided in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. The transfer station's open design and high ceiling will provide ample passive ventilation. Dust and particulates that may occur in the building will be controlled, as needed, using water sprays, mist systems, or similar methods.

A minimum 50-foot buffer will be provided between the transfer building and the site boundaries to minimize the likelihood of nuisance odors from leaving the boundary of the facility. If, at any time, nuisance odors are found to be passing the facility boundary, the owner or operator will modify waste transfer operations to reduce the time waste is accumulating on the tipping floor. If modified transfer operations do not succeed in abating odors, the owner or operator will employ and properly maintain/operate odor control equipment. If necessary, the facility will suspend operations until the nuisance has been properly abated.

The facility will ensure that the operation of the facility does not violate any applicable requirements of the approved state implementation plan developed under the Federal Clean Air Act, Section 110, as amended, and TAC 330.15(d), which prohibits the burning of waste. Air emissions from the facility will not cause or contribute to a condition of air pollution as defined in the Texas Clean Air Act. Air emissions and odors will be controlled in accordance with the current TCEQ MSW Air Permitting rules and regulations applicable to municipal solid waste facilities. Appropriate authorization under Chapter 116 or Subchapter U (relating to Standard Air Permits for Municipal Solid Waste Landfill Facilities and Transfer Station), as applicable, will be obtained prior to operating the transfer station. Reporting emissions events, if applicable, will occur in accordance with 30 TAC §101.201 and reporting scheduled maintenance will occur in accordance with 30 TAC §101.211.

No waste loading, unloading, processing, or disposal will occur outside the building. All liquid and solid waste shall be stored in odor-retaining containers and vessels. A minimum 50-foot buffer will be provided between the transfer building and the site boundaries. The owner's additional measures to prevent and control potential odors being generated and migrating off site include the following:

- Prompt and efficient flow of waste through the open building
- Routine washing of the tipping floor
- Draining the contaminated water tank
- Use of cover tarps in the event waste is stored overnight in the transfer station
- The deployment of a deodorizing system at appropriate locations, if necessary.

The site will be graded to prevent the ponding of water in improper locations which are not part of the drainage system. The on-site drainage structures will be maintained to promote positive drainage, thus minimizing any nuisance odors associated with stagnant water.

Washwaters will not be allowed to accumulate on the tipping floor. Washwater will be managed consistent with the procedures outlined in Section 4 of this Site Operating Plan.

# 24 HEALTH AND SAFETY (30 TAC §330.247)

Designed for safety, the transfer station features traffic flow based primarily on safety considerations, including reduced risk from backing up. Transfer station operations are based on a predictable pattern of traffic, tipping and loading. The building's open design and high ceiling eliminates the need for pits, thereby improving visibility. Facility personnel will be trained in accordance with the facility's health and safety plan.

Safety training for all personnel will be provided routinely and will be the responsibility of the transfer station manager. The transfer station manager will enforce safety rules and policies and promptly investigate and report all accidents. Operators will wear personal protective equipment such as hard hats, safety glasses, and dust masks, when appropriate. Fire extinguishers will be available at all times. The transfer station structure will be supplied by an on-site water holding tank. Detailed procedures that comprise the Safety Plan for the facility are discussed below.

#### 24.1 EMERGENCY PREPAREDNESS

Preparedness and preventive measures to minimize both the frequency and severity of accidents and emergency situations threatening human health will be implemented at the facility. These measures will largely depend on the attentiveness and state of readiness of facility personnel. All personnel will undergo in-house training to introduce the measures below.

#### 24.1.1 General Measures

The following general measures will be implemented for the overall facility:

- Employee breaks or rest periods will be provided to minimize employee fatigue factor, improve alertness, and thereby reduce accident potential.
- Access controls will prevent entry of unauthorized personnel.
- Routine equipment preventive maintenance will be provided.
- A management representative will perform regular site inspections.
- Appropriate personnel safety equipment will be maintained on site in good condition.
- Adequate turning area for hauling vehicles will be provided.
- Scavenging will not be allowed and individuals will be required to stay close to their vehicles for their protection.
- Unloading will be restricted to designated areas only.
- Site personnel will be alert for possible prohibited wastes entering site.
- As discussed in Section 2 of this SOP, prohibited wastes will be controlled or contained and removed as necessary.

#### 24.1.2 Measures for the Unloading and Receiving Area

The following measures will be implemented within the unloading/receiving area of the facility:

- Inspect loads as per procedures developed based on guidelines detailed in Section 2.2 of this SOP.
- Observe incoming vehicles for evidence of improper operation, faulty equipment, or other conditions that could be detrimental to the facility personnel or other persons on site.
- Make emergency equipment available and maintain a first-aid kit in the facility.
- Post emergency telephone numbers.
- Display signs warning transporters that hazardous wastes and PCB, radioactive, and other prohibited wastes are not accepted.

### 24.2 EMERGENCY AND CONTINGENCY PROCEDURES

Emergency and contingency procedures will be implemented at the facility in the event of accidents, or environmentally significant releases of waste or waste constituents to air, soil, surface water or groundwater. These procedures constitute an initial response by facility staff that will be supplemented, as necessary, by outside emergency services. Emergency assistance requests will be handled through conventional means (e.g. calling 911).

The following situation-specific procedures are initially proposed and are subject to revision, as required, based on experience gained with time.

## 25 EMPLOYEE SANITATION FACILITIES (30 TAC §330.249)

Potable water and sanitary facilities will be provided for all employees and visitors at the scale house. Portable sanitary facilities may be utilized and will be maintained in accordance with instructions from the providers of these facilities. As noted in Section 3, following approval by the Hunt County Health Department for an on-site sewage disposal permit, the owner will install an on-site sewage disposal system.

# 26 DISEASE VECTOR CONTROL

The transfer station is designed to prevent the nuisances that can attract disease vectors such as flies and rodents. The building is designed to allow waste to flow through and not accumulate in the structure. There are no pushwalls behind which waste can accumulate. There is no loading pit, pit scales, elaborate covered drains or electric sumps to keep clean. Never-the-less, an exterminator will be contracted to spray/place traps at the facility twice per year to control vectors. Additional treatments will be scheduled, as appropriate.

# 27 DISPOSAL OF LARGE ITEMS

Bulky and large items arriving at the transfer station will be placed on the tipping floor so as to allow the loader to crush and flatten the items prior to loading into the transfer trailer. Where this is not possible, bulky or large items will be loaded into transfer trailers that have been partially filled to prevent damage to the trailer from impact due to the heavy weight of bulky or large items.

Refrigerators, freezers, air conditioners, and any other items containing chlorinated fluorocarbon (CFC) will be handled in accordance with 40 Code of Federal Regulations §82.156(f)(2). Verification that the refrigerant has been evacuated from the appliance or shipment of appliances from whom the appliance or shipment of appliances is obtained, will be required prior to acceptance of the appliances at the facility. The verification will include a signed statement from whom the appliance or shipment of appliances is obtained, the name and address of the person who recovered the refrigerant, and the date the refrigerant was recovered. Any appliances inadvertently accepted containing refrigerant that has not been extracted or without verification, will be either returned to the generator, be temporarily set aside and refrigerant removed by an individual and/or company certified in refrigerant removal or taken to a certified refrigerant removing company where the refrigerant will be removed prior to processing at the transfer station.

# 28 SALVAGING AND SCAVENGING

Neither the public nor the site personnel will be allowed to salvage and scavenge waste materials delivered to the site for processing. Facility personnel will monitor the facility and use site access controls to prevent scavenging.

# 29 HANDLING OF INDUSTRIAL WASTES

The facility will not accept Class 1 non-hazardous industrial waste. Class 2 and 3 non-hazardous industrial waste may be accepted at the facility provided the wastes are properly identified and provided the acceptance of such waste does not interfere with site operations. Class 2 industrial waste accepted at the facility will generally consist of plant trash (paper, cardboard, linings, wrappings, paper and/or wooden packaging materials, food waste, uncontaminated wooden materials, and uncontaminated floor sweepings) as defined under 30 TAC §335.508(3) that may be disposed of with regular municipal solid waste. Class 3 non-hazardous industrial wastes will include inert and essentially insoluble industrial solid waste, including materials such as rock, brick, glass, dirt, certain plastics and rubber, etc., that are not readily decomposable as defined in §335.507 (relating to Class 3 Waste Determination).

# 30 FACILITY INSPECTION AND MAINTENANCE

Table IV-6 outlines the inspection and maintenance lists of the facility. The transfer station manager or a designee will perform the tasks. The inspection documentation will be retained in the operating record.

ITEM	TASK	Frequency
Fence/Gate	Inspect perimeter fence and gate for damage. Make repairs if necessary.	Weekly
Windblown Waste	Police working area, wind fences, access roads, entrance areas, and perimeter fence for loose trash. Clean up as necessary.	Daily as specified in Section 17.0.
Waste Spilled on Route to the Facility	Inspection and cleanup of waste materials along and within the right-of-way of the public access roads serving the transfer station (i.e., SH 24) at least 2 miles from the facility entrance, as needed.	Daily as specified in Section 18.0.
Facility Access/Egress Roads	Inspect facility access/egress roads for damage from vehicle traffic or excessive mud accumulation. Maintain as needed. Grading equipment will be used as needed to control or remove mud accumulations from being tracked onto SH 24.	Weekly or more often during wet weather or extended dry weather periods.
Facility Signs	Inspect all facility signs for damage, general location, and accuracy of posted information.	Weekly
Odor	Inspect the perimeter of the facility to assess the performance of facility operations to control odor.	Daily
Perimeter Swales and Channels	Inspect drainage features to verify that they are functioning as designed (e.g., excess sediment removed, outlet structures intact), as applicable.	Weekly and within 72-hours of a rainfall event of 0.5 inches or more.

#### **Table IV-6 Facility Inspection and Maintenance List**

#### APPENDIX IV-1 Waste Acceptance Plan

scs engineers August 2021

#### **TYPE V TRANSFER STATION PERMIT APPLICATION**

FOR

HIGHWAY 24 TRANSFER STATION TCEQ PERMIT NO. MSW-\_\_\_\_ HUNT COUNTY, TEXAS

#### PART IV - SITE OPERATING PLAN

APPENDIX IV-1 WASTE ACCEPTANCE PLAN

**Prepared for: Transfer Station Solutions, LLC** P.O. Box 6427 Paris, Texas 75461 8/12/2021

**Prepared by:** 

SCS ENGINEERS Texas Board of Professional Engineers, Reg. No. F-3407 Dallas/Fort Worth Office 1901 Central Drive, Suite 550 Bedford, Texas 76021 817/571-2288

> Revision 0: August 2021 SCS Project No. 16219083

#### TABLE OF CONTENTS

#### **SECTION**

#### PAGE

1.0		IV-1-1
2.0	WASTE ACCEPTANCE	IV-1-3
3.0	OPERATING PROCEDURES	IV-1-4

#### TABLES

 Table IV-1
 Special Waste Processing Procedures Summary



SCS Engineers TBPE Reg. # F-3407

## 1 INTRODUCTION

This Waste Acceptance Plan (WAP) outlines the acceptance requirements and review and approval process that will be used to accept special waste and industrial waste as defined by TCEQ at the Highway 24 Transfer Station.

The TCEQ solid waste regulations define special waste as a "solid waste or combination of solid wastes that because of its quantity, concentration, physical, chemical or biological properties requires special handling and disposal to protect human health and the environment."

Only those special wastes identified below may be accepted at this facility without prior written approval from the Executive Director and will be handled in accordance with the provisions stated in the rules. Any requests for approval of special waste will be in accordance with Title 30 Texas Administrative Code (TAC) §330.171(b).

- Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically processed along with other solid waste;
- Pharmaceuticals, contaminated foods, or contaminated beverages, other than those contained in normal household waste;
- Empty containers which have been used for pesticides, insecticides, herbicides, fungicides, or rodenticides will be accepted provided the containers have been triple rinsed, crushed or rendered unusable upon receipt;
- Incidental amounts of non-regulated asbestos-containing material (NRACM). The incidental amount is defined as the maximum of 10 percent of the waste received on an annual basis by scale weight (annual basis is defined as the latest 4 consecutive quarters);
- Waste generated outside the boundaries of Texas that contains any industrial waste, which if generated in Texas, would be classified as Class 2 or Class 3 industrial waste; any waste associated with oil, gas, and geothermal exploration, production, or development activities, or any material listed in the bullets above.

No special waste will be received at the facility unless it is compatible with the loading equipment operated at the facility or unless modifications are made to the facility to accommodate the special waste.

The facility will not accept the following wastes:

- Regulated hazardous wastes;
- Polychlorinated biphenyls (PCB) waste;
- Liquid waste;
- Radioactive waste;
- Regulated Asbestos Containing Materials (RACM);
- Certain Special Wastes, including:

- Hazardous waste from conditionally exempt small-quantity generators that may be exempt from full controls under Chapter 335, Subchapter N of this title(relating to Household Materials Which Could Be Classified as Hazardous Wastes);
- Class 1 non-hazardous industrial waste;
- o Untreated medical waste;
- Municipal wastewater treatment plant sludges, other types of domestic sewage treatment plant sludges, and water-supply treatment plant sludges;
- Septic tank pumpings;
- Grease and grit trap wastes;
- Waste from commercial or industrial waste water treatment plants; air pollution control facilities; and tanks, drums, or containers used for shipping or storing any material that has been listed as a hazardous constituent in 40 code of Federal Regulations (40 CFR), Part 261, Appendix VIII but has not been listed as a commercial product in 40 CFR, §261.33(e) or (f);
- o Slaughterhouse wastes;
- Incinerator ash;
- Soil contaminated by petroleum products, crude oils, or chemicals in concentrations greater than 1,500 mg/kg total petroleum hydrocarbons, or contaminated by constituents of concern exceeding the concentrations listed in Table 1 of 30 TAC §335.521(a)(1);
- Lead acid storage batteries;
- Used oil; and
- Used oil filters from internal combustion engines.
- Whole used or scrap tires, except for incidental scrap tires picked up in enclosed municipal solid waste collection vehicles in accordance with 30 TAC 328.54(b);
- Items containing chlorinated fluorocarbons (CFC's), such as refrigerators, freezers, and air conditioners, will only be accepted at the site if the generator or transporter provides written certification that the CFC has been evacuated from the unit and that it was not knowingly allowed to escape into the atmosphere; and
- Liquid waste (any waste material that is determined to contain "free liquids" as deemed by EPA Method 9095 (Paint Filter Test), as described in "Test Methods for Evaluating Solid Wastes, Physical Chemical Methods" (EPA Publication Number SW-846)) will not be accepted unless it is:
  - Bulk or non-containerized liquid waste that is: household waste other than septic waste, or contained liquid waste and the container is a small container similar in size to that normally found in the household waste, the container is designated to hold liquids for use other than storage, or the waste is a household waste.

# 2 WASTE ACCEPTANCE

Special wastes listed above, other than the incidental special wastes contained in the waste loads, that are to be received at the transfer station must be preapproved by the landfill that will receive the waste in accordance with the receiving landfill's special waste screening and acceptance procedures. Such special waste evaluation and approval will take place prior to delivery of the waste to the transfer station. Typically, the special waste analyst for the landfill will utilize information provided by the generator (e.g., waste-specific chemical and characteristic information or process knowledge information) to determine the acceptability of a waste for disposal at the landfill. The landfill's special waste analyst will be responsible for maintaining and utilizing current TCEQ guidelines and constituent limits for evaluation of wastes. The landfill's special waste analyst will also be responsible for knowing and applying future changes to regulatory guidelines, review and acceptance procedures. This information will be provided to the appropriately trained transfer station personnel prior to waste acceptance at the transfer station.

Special waste review procedures will include:

- 1. The Special Waste Profile (SWP) must be completely filled out and legible including addresses, contact names, phone numbers and signatures.
- 2. The information must include sufficient information to provide the analyst a clear understanding of the waste's type, origin, shipping method rate of delivery and total amount. If the description is insufficient, additional information will be requested of the generator.
- 3. The physical characteristics of the waste must include information on the chemical and physical properties of the waste sufficient to allow the analyst to identify the waste and correlate the properties to the appropriate TCEQ and Federal regulations. It is important that this, and all portions of the profile, be completely filled out. By signing the profile the generator certifies the information is accurate.
- 4. Site specific evaluation. The landfill's analyst will confirm that each special waste is acceptable in accordance with local, TCEQ and federal regulations as well the transfer station and receiving landfill.
- 5. The landfill's analyst may request additional information from the generator including additional analytical, process description, and Safety Data Sheets (SDS).

When a special waste arrives at the site, transfer station personnel may randomly select samples to visually compare the material presented for acceptance to the approved SWP to confirm that the physical characteristics (color, odor, appearance) of the material matches what is described on the profile. In the event the physical characteristic of the waste differs from the profile, the load will be detained and appropriate personnel called to investigate/evaluate the matter. The generator will be notified. Additional process and chemical analysis may be requested. If the discrepancies cannot be resolved, the load will be rejected.

# 3 OPERATING PROCEDURES

The transfer station personnel will exercise appropriate care and safeguards when processing special wastes. Only onsite personnel who have received special waste training will be utilized for processing special wastes. Specific handling/disposal procedures are detailed in Table IV-1A for the special wastes that will be processed at the facility.

Transfer trucks containing special waste will provide the required documentation to the receiving landfill concerning the special waste contained within the transfer trailer. The landfill will be responsible to ensure the transferred special waste is disposed of in accordance with the landfill's permit.

# TABLE IV-1A Special Waste Processing Procedures Summary

scs engineers August 2021

# Table IV-1ASpecial Waste Processing Procedures SummaryHighway 24 Transfer Station

Special Waste	Special Handling Procedures
Deceased animals	Deceased animals that are incidental to routine collection of municipal solid waste and that can be systematically
	processed along with other solid waste will be accepted at this facility. This waste may contain some animal
	remains; however, the facility will not accept bulk quantities of deceased animals or animal remains in a specific
	shipment or load. All dead animals will be processed upon receipt or covered with a minimum of three feet of solid
	waste until it is processed into transfer trailers. The tipping floor and loading equipment will be cleansed with
	antibacterial cleaners at the end of each day when special waste containing deceased animal waste is processed.
Pharmaceuticals and contaminated	These wastes will be processed into transfer trailers promptly upon receipt. Operators will observe unloading and
foods that are not considered	loading of these waste materials to ensure no scavenging or salvaging of waste. The tipping floor and loading
controlled substances	equipment will be cleansed with antibacterial cleaners at the end of each day when special waste containing
	contaminated food waste is processed.
Empty containers, including paper,	These containers will be processed in the transfer station upon receipt. These containers will not be allowed to
cardboard and metal, that have	accumulate on the tipping floor. All containers received will be handled in accordance with Title 30 TAC §330.1/1.
been used for pesticides,	All containers will be triple rinsed prior to arrival. If containers cannot be processed upon receipt they will be
insecticides, herbicides, fungicides,	crushed with the loader and rendered unusable.
or rodenticides	
Incidental amounts of non-	Loads of Non-RACM will be pushed directly to the loader for loading into the transfer trailer. Non-RACM will not
material (Non BACM)	be subject to any crushing of compaction by loading equipment that could be crumbled into a inable state within the
Inateriai (Non-KACW)	Non RACM so that the integrity of the material is maintained
Waste generated outside the	This waste will be handled in accordance with the provisions outlined above for the specific type of waste
houndaries of Texas that contains	This waste will be handled in accordance with the provisions outlined above for the specific type of waste.
any Class 2 and 3 industrial waste	
any waste associated with oil gas	
and geothermal exploration	
production or development	
activities, or any other special	
waste that is accepted at the facility	