



Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
 - English
 - Alternative Language (Spanish)
 2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
 - English
 - Alternative Language (Spanish)
 3. Application materials
-



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
 - Inglés
 - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
 - Inglés
 - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT

PROPOSED PERMIT NO. WQ0016780001

APPLICATION. Landvest Development LLC and Undine Texas Environmental, LLC, P.O. Box 1387, McKinney, Texas 75070, have applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016780001 (EPA I.D. No. TX00147737) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 131,000 gallons per day. The domestic wastewater treatment facility will be located at 15830 State Highway 160, near the city of Blue Ridge, in Collin County, Texas 75424. The discharge route will be from the plant site via pipe to Desert Creek; thence to Pilot Grove Creek; thence to Lake Lavon. TCEQ received this application on April 14, 2025. The permit application will be available for viewing and copying at United States Postal Service, 301 South Business Highway 78, Blue Ridge, in Collin County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.399444,33.390833&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

El aviso de idioma alternativo en español está disponible en

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Landvest Development LLC and Undine Texas Environmental, LLC at the address stated above or by calling Mr. Charles Covey, President, Landvest Development LLC at 903-271-9807.

Issuance Date: June 20, 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by [Title 30, Texas Administrative Code \(30 TAC\), Chapter 39, Subchapter H](#). Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 TAC Section 39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Landvest Development, LLC and Undine Texas, LLC (2. Enter Customer Number here (i.e., CN6#####)) proposes to operate The Acres at Desert Creek wastewater treatment facility (5. Enter Regulated Entity Number here (i.e., RN1#####)), a secondary treatment wastewater system with UV disinfection. The facility will be located at 15830 HWY 160, in Blue Ridge, Collin County, Texas 75424. This application is for the approval to discharge at an annual average flow of 131,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain carbonaceous biochemical oxygen demand (CBOD), suspended solids (TSS), ammonia nitrogen (NH₃-N), nitrates (NO₃), and Escherichia coli. Maximum allowable concentrations and mass loads in the permit application package. Domestic wastewater will be treated by primary settling of solids and scum in baffled septic tanks at the residences, followed by underground digestion tanks at the treatment facility, falling into an equalization basin fitted with two, quadplex pump arrays dosing into a 4-train MBBR+SAF biological treatment reactor designed for simultaneous

organics reduction, nitrification and denitrification. The treated effluent will fall through a UV disinfection reactor designed and configured according to TAC 30.1.217.L.

Comisión de Calidad Ambiental del Estado de Texas



AVISO DE RECIBO DE LA SOLICITUD Y EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

PERMISO PROPUESTO NO. WQ0016780001

SOLICITUD. Landvest Development LLC and Undine Texas Environmental, LLC, PO Box 1387, McKinney, TX 75070, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016780001 (EPA I.D. No. TX00147737) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 131,000 galones por día. La planta estará ubicada 15830 State Highway 160, Blue Ridge, Texas 75424 en el Condado de Collin, Texas 75424. La ruta de descarga estará del sitio de la planta a Tubería hacia Desert Creek; de allí hacia Pilot Grove Creek; de allí hacia el Lago Lavon. La TCEQ recibió esta solicitud el 14 de abril de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Servicio Postal de los Estados Unidos, 301 South Business Highway 78, Blue Ridge, en el condado de Collin, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.399444,33.390833&level=18>

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envíe por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía <http://www14.tceq.texas.gov/epic/eComment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Landvest Development LLC and Undine Texas Environmental, LLC a la dirección indicada arriba o llamando a Charles Covey, Landvest Development LLC al (903) 271-8907.

Fecha de emisión: 20 de junio de 2025

Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 14, 2025

Re: Confirmation of Submission of the New Private Domestic Wastewater Individual Permit Application

Dear Applicant:

This is an acknowledgement that you have successfully completed Private Domestic Wastewater Individual Permit Application.

ER Account Number: ER104531
Application Reference Number: 778185
Authorization Number: WQ0016780001
Site Name: Acres At Desert Creek
Regulated Entity: RN112194048 - ACRES AT DESERT CREEK
Customer(s): CN606375269 - Landvest Development LLC

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality
New Domestic or Industrial Individual Permit

Site Information (Regulated Entity)

What is the name of the site to be authorized?	Acres at Desert Creek
Does the site have a physical address?	Yes
Physical Address	
Number and Street	15830 STATE HIGHWAY 160
City	BLUE RIDGE
State	TX
ZIP	75424
County	COLLIN
Latitude (N) (##.#####)	33.390814
Longitude (W) (-###.#####)	-96.399325
Primary SIC Code	6514
Secondary SIC Code	6515
Primary NAICS Code	236116
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	
What is the name of the Regulated Entity (RE)?	Acres at Desert Creek
Does the RE site have a physical address?	Yes
Physical Address	
Number and Street	15830 STATE HIGHWAY 160
City	BLUE RIDGE
State	TX
ZIP	75424
County	COLLIN
Latitude (N) (##.#####)	33.390814
Longitude (W) (-###.#####)	-96.399325
Facility NAICS Code	
What is the primary business of this entity?	

Landves-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Landvest Development LLC
Texas SOS Filing Number	804476085
Federal Tax ID	880529154
State Franchise Tax ID	32083435449
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Landvest Development LLC
Prefix	MR
First	Charles
Middle	
Last	Covey
Suffix	
Credentials	
Title	President
Responsible Authority Mailing Address	
Enter new address or copy one from list:	Site Physical Address
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1387
Routing (such as Mail Code, Dept., or Attn:)	
City	MCKINNEY
State	TX
ZIP	75070
Phone (###-###-####)	9032718907
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	charles@charlescovey.com

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	
Organization Name	Landvest Development LLC
Prefix	Landvest Development LLC
First	MR
Middle	Charles
Last	
Suffix	Covey
Credentials	
Title	President
Enter new address or copy one from list:	Site Physical Address
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1378
Routing (such as Mail Code, Dept., or Attn:)	
City	MCKINNEY
State	TX
ZIP	75070
Phone (###-###-####)	9032718907
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	charles@charlescovey.com

Application Contact

Person TCEQ should contact for questions about this application:	
Same as another contact?	
Organization Name	Madrid Engineering Group LLC
Prefix	MR
First	Brett
Middle	
Last	Zimmerman
Suffix	

Credentials	
Title	Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	5001 N NEBRASKA AVE STE A
Routing (such as Mail Code, Dept., or Attn:)	
City	TAMPA
State	FL
ZIP	33603
Phone (###-###-####)	8658516911
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	brett.zimmerman@madridcpwg.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Application Contact
Organization Name	Madrid Engineering Group LLC
Prefix	MR
First	Brett
Middle	
Last	Zimmerman
Suffix	
Credentials	
Title	Engineer
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	5001 N NEBRASKA AVE STE A
Routing (such as Mail Code, Dept., or Attn:)	
City	TAMPA
State	FL
ZIP	33603
Phone (###-###-####)	8658516911

Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	brett.zimmerman@madridcpwg.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:	
Same as another contact?	
Organization Name	Undine Texas Environmental LLC
Prefix	MS
First	Carey
Middle	
Last	Thomas
Suffix	
Credentials	
Title	Vice President
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	17681 TELGE RD
Routing (such as Mail Code, Dept., or Attn:)	
City	CYPRESS
State	TX
ZIP	77429
Phone (###-###-####)	7135547820
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	cthomas@undinellc.com

Section 1# Permit Contact

Permit Contact#: 1	
Person TCEQ should contact throughout the permit term.	
1) Same as another contact?	DMR Contact
2) Organization Name	Undine Texas Environmental LLC

3) Prefix	MS
4) First	Carey
5) Middle	
6) Last	Thomas
7) Suffix	
8) Credentials	
9) Title	Vice President
Mailing Address	
10) Enter new address or copy one from list	DMR Contact
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	17681 TELGE RD
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	CYPRESS
11.4) State	TX
11.5) ZIP	77429
12) Phone (###-###-####)	7135547820
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	cthomas@undinellc.com

Public Notice Information

Individual Publishing the Notices

1) Prefix	MR
2) First and Last Name	Charles Covey
3) Credential	
4) Title	President
5) Organization Name	Landvest Development LLC
6) Mailing Address	PO BOX 1378
7) Address Line 2	
8) City	MCKINNEY
9) State	TX
10) Zip Code	75070
11) Phone (###-###-####)	9032718907
12) Extension	
13) Fax (###-###-####)	

14) Email	charles@charlescovey.com
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	Charles Covey
17) Credential	
18) Title	President
19) Organization Name	Landvest Development LLC
20) Phone (###-###-####)	9032718907
21) Fax (###-###-####)	
22) Email	charles@charlescovey.com
Bilingual Notice Requirements	
23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?	Yes
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC 89.1205(g)?	No
23.4) Which language is required by the bilingual program?	Spanish

Section 1# Public Viewing Information

County#: 1

1) County	COLLIN
2) Public building name	Landvest Shop
3) Location within the building	
4) Physical Address of Building	2030 G Avenue, STE 1107
5) City	Plano
6) Contact Name	Charles Covey
7) Phone (###-###-####)	9032718907
8) Extension	
9) Is the location open to the public?	Yes

Owner Information

Owner of Treatment Facility

1) Prefix	MRS
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2) First and Last Name	Carey Thomas
3) Organization Name	Undine Texas Environmental LLC
4) Mailing Address	17681 Telge Road
5) City	Cypress
6) State	TX
7) Zip Code	77429
8) Phone (###-###-####)	7135547820
9) Extension	
10) Email	cthomas@undinelc.com
11) What is ownership of the treatment facility?	Private
Owner of Land (where treatment facility is or will be)	
12) Prefix	MR
13) First and Last Name	Charles Covey
14) Organization Name	Landvest Development LLC
15) Mailing Address	PO Box 1387
16) City	McKinney
17) State	TX
18) Zip Code	75070
19) Phone (###-###-####)	9032718907
20) Extension	
21) Email	charles@charlescovey.com
22) Is the landowner the same person as the facility owner or co-applicant?	No

Admin General Information

1) Is the facility located on or does the treated effluent cross American Indian Land?	No
2) What is the authorization type that you are seeking?	Private Domestic Wastewater
2.1) Is the facility previously authorized under a Water Quality individual permit?	No
2.2) What is the proposed total flow in MGD discharged at the facility?	0.131
2.3) Select the applicable fee	>=0.10 MGD but < 0.25 MGD - \$850
3) What is your facility operational status?	Inactive
4) What is the classification for your authorization?	TPDES
4.1) City nearest the outfall(s):	Blue Ridge
4.2) County where the outfalls are located:	COLLIN
4.3) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
4.4) Is the daily average discharge at your facility of 5 MGD or more?	No

5) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	Yes
5.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:	Firoj Vahora

Lease Agreement or Deed Attachment

1) Attach a lease agreement or deed recorded easement	
[File Properties]	
File Name	LEASE_Attachment 04_Lease Agreement.pdf
Hash	91CD063AB91AC626B6C51CB5A1DFF6F8C76CB9D9C6680860707A0797DFBF8649
MIME-Type	application/pdf

Plain Language

1) Plain Language	
[File Properties]	
File Name	LANG_Attachment 02_Plain Language Summary.pdf
Hash	F04C7E48EEF62C616ABD0061463C07D63FC69C4601926DD6875A803ED188A967
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)	
[File Properties]	
File Name	SPIF_Attachment 13_SPIF.pdf
Hash	2E8C0E1D24F1E78AB4E77AD88F875723E2104061AFCA12F5C6CCC897A8D1450C
MIME-Type	application/pdf
[File Properties]	
File Name	SPIF_Attachment 14_SPIF Map.pdf
Hash	51D07ECFB72E5A9E42DA1FB40526B09B3522B2EE298EC3C828F49139F535505A
MIME-Type	application/pdf

Domestic Attachments

1) Have you clearly outlined and labeled the required information on the original full size USGS Topographic Map?	Yes
1.1) I certify that I have clearly outlined and labeled the required information on the Topographic map and attached here.	
[File Properties]	
File Name	MAP_Attachment 06_10053_USGS Map.pdf
Hash	B2AB246917E39AAC448E6D43FC3EA546D1905F3D870F55D7B5D86BA41931A7B9
MIME-Type	application/pdf
2) Public Involvement Plan attachment (TCEQ Form 20960)	
[File Properties]	
File Name	PIP_Attachment 03_Public Involvement Plan.pdf
Hash	517C89FEC4EE84E6FC92DE42057357679B23419A7A19B3E61AD81F1B90C98423
MIME-Type	application/pdf
3) Administrative Report 1.1	
[File Properties]	
File Name	ARPT_10053 Acres at Desert Creek_Permit Application.pdf
Hash	CFD0C51FFDD605133DCD6C28C60756B8C526CC278284EE9B852533613B314150
MIME-Type	application/pdf
4) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
4.1) I confirm that Technical Report 1.1 is complete and included in the Technical Attachment.	Yes
4.2) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
4.3) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
4.4) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	No
4.5) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	No
4.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No
4.7) Technical Attachment	
[File Properties]	
File Name	TECH_1_10054 Acres at Desert Creek_Permit Application.pdf
Hash	2EE30977B4FCB4772F714F94592E83A05890CCD738A478DD1C7588551CFC597C
MIME-Type	application/pdf

5) Affected Landowners Map

[File Properties]

File Name

LANDMP_Attachment 08_Map of Affected Property Owners.pdf

Hash

9FC5CACC6066B689BFF906A9FB7BC9B9BE164418B049681141666291241A87FE

MIME-Type

application/pdf

6) Landowners Cross Reference List

[File Properties]

File Name

LANDCRL_Attachment 09_List of Affected Property Owners.pdf

Hash

B90CBF17D4C290B2A4958DCC0AD7FD93B0F4FA166B5331B3B850005F9336CA17

MIME-Type

application/pdf

7) Landowner Avery Template

[File Properties]

File Name

LANDAT_Attachment 09_Avery Labels.docx

Hash

D606E237F68484F93BE032C39B31699EB448D694BE1FCE69448908F47DD2C685

MIME-Type

application/vnd.openxmlformats-officedocument.wordprocessingml.document

8) Buffer Zone Map

[File Properties]

File Name

BUFF_ZM_Attachment 11_Buffer Zone Map.pdf

Hash

AF151B91C4103FB00B8F1004A18D3EA2197D5289E5708BA6EBE2EC95EDB425E5

MIME-Type

application/pdf

9) Flow Diagram

[File Properties]

File Name

FLDIA_Attachment 02_10054_Technical Report 1.0_Section 2.pdf

Hash

1573CBE2DCBEFF8C6C6C0B3E1A44E40ECF3740D3DD12A8055EC71023DD2AF87

MIME-Type

application/pdf

10) Site Drawing

[File Properties]

File Name

SITEDR_Attachment 03_10054_Technical Report 1.0_Section 3_Sheet 1.pdf

Hash

4B521320B1873494788756FD6D10EBD597AE880A05DA95FBC28AD3709C8FE3BE

MIME-Type

application/pdf

[File Properties]

File Name	SITEDR_Attachment 03_10054_Technical Report 1.0_Section 3_Sheet 2.pdf
Hash	AF151B91C4103FB00B8F1004A18D3EA2197D5289E5708BA6EBE2EC95EDB425E5
MIME-Type	application/pdf

11) Original Photographs

[File Properties]

File Name	ORIGPH_Attachment 10_Original Photographs.pdf
Hash	F86A638D07D2E13E36238181E7BDD202A163ECD9272C6CFD901F5D3CCA1380FB
MIME-Type	application/pdf

12) Design Calculations

[File Properties]

File Name	DES_CAL_Attachment 06_10054_Technical Report 1.1_Section 1.xlsx
Hash	1F271557112C1BFF5AF19F46D5B01B9276EA23D501F3E49E35AAF640597B1EC8
MIME-Type	application/vnd.openxmlformats-officedocument.spreadsheetml.sheet

13) Solids Management Plan

[File Properties]

File Name	SMP_Attachment 05_Sludge Management Plan.pdf
Hash	299754B6856B73FBDE1AA7D0A0210B8F8AFBB405D0145A650884B33718B638EB
MIME-Type	application/pdf

14) Water Balance

[File Properties]

File Name	WB_Attachment 16_Water Balance.pdf
Hash	83BB9D7CBC497E21ABD4E9B3841E92E7E7F9A6C242AB79AE4273F7CE0CD690DF
MIME-Type	application/pdf

15) Other Attachments

Certification

I certify that I am authorized under 30 Texas Administrative Code 305.44 to sign this document and can provide documentation in proof of such authorization upon request.

I 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.

1. I am Charles M Covey, the owner of the STEERS account ER104531.

2. I have the authority to sign this data on behalf of the applicant named above.

3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.

4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.

5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.

6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.

7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.

8. I am knowingly and intentionally signing New Domestic or Industrial Individual Permit.

9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Charles M Covey OWNER

Customer Number:

Legal Name:Landvest Development LLC

Account Number:ER104531

Signature IP Address:208.67.253.3

Signature Date:2025-04-14

Signature Hash:0B14D501A594442A01C6859541BCB3E8164D183D32937B851835442F69D5C94E

Form Hash Code at time of Signature:28A31860A5C113FB41FD760EB5D7D7F704E1C0E0877873658A09F9B4BA040561

Fee Payment

Transaction by:

Paid by:

Fee Amount:

Paid Date:

Transaction/Voucher number:

The application fee payment transaction was made by ER104531/Charles M Covey

The application fee was paid by CHARLES M COVEY

\$800.00

The application fee was paid on 2025-04-14

The transaction number is 582EA000663600 and the voucher number is 762087

Submission

Reference Number:

Submitted by:

Submitted Timestamp:

Submitted From:

Confirmation Number:

The application reference number is 778185

The application was submitted by ER104531/Charles M Covey

The application was submitted on 2025-04-14 at 07:45:02 CDT

The application was submitted from IP address 208.67.253.3

The confirmation number is 645931

Steers Version:

The STEERS version is 6.89

Additional Information

Application Creator: This account was created by Brett A Zimmerman

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)
DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT (FORM 10053)

Project: Acres at Desert Creek
Location: Texas Highway 160, Collin County, Texas

Applicant:

Charles Covey, President
Landvest Development, LLC
PO Box 1387
McKinney, TX 75070
Phone: 903-271-8907
Email: charles@landvestdev.com

Engineer:

Brett Zimmerman
Madrid CPWG
5001 N Nebraska Ave
Tampa, FL 33603
Email: brett.zimmerman@madridCPWG.com

Submission Date: February 27, 2025

TPDES Permit Application - Acres at Desert Creek
Prepared for TCEQ Review

INDEX OF SHEETS AND ATTACHMENTS
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TCEQ FORM 10053 - DOMESTIC WASTEWATER PERMIT APPLICATION,
ADMINISTRATIVE REPORT

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Landvest Development, LLC

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input type="checkbox"/>
SPIF	<input type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input checked="" type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: VV1011
Check/Money Order Amount: \$850.00
Name Printed on Check: LandVest Partners

EPAY Voucher Number: [Click to enter text.](#)

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☐ Active ☒ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☒ New
☐ Major Amendment with Renewal
☐ Major Amendment without Renewal
☐ Renewal without changes
☐ Minor Amendment with Renewal
☐ Minor Amendment without Renewal
☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Landvest Development, LLC

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: Applicant is currently not a customer

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Charles Covey

Title: President

Credential: [Click to enter text.](#)

B. **Co-applicant information.** Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

No Co-applicant

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

Prefix: Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0.

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr. Last Name, First Name: Zimmerman, Brett
Title: Project Lead Credential: PE
Organization Name: MadridCPWG
Mailing Address: 5001 N. Nebraska Ave., Suite A City, State, Zip Code: Tampa, FL, 33603
Phone No.: (865) 851-6911 E-mail Address: brett.zimmerman@madridcpwg.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr. Last Name, First Name: Jeff Goebel
Title: Business Development Credential: Click to enter text.
Organization Name: Undine Texas Environmental, LLC
Mailing Address: 17681 Telge Road City, State, Zip Code: Cypress Texas 77429
Phone No.: 713-724-9321 E-mail Address: jgoebel@undinellc.com
Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Ms. Last Name, First Name: Carey Thomas
Title: VP Credential: Click to enter text.
Organization Name: Undine Texas Environmental, LLC
Mailing Address: 17681 Telge Road City, State, Zip Code: Cypress, TX, 77429
Phone No.: (713) 554-7820 E-mail Address: cthomas@undinellc.com

B. Prefix: Mr. Last Name, First Name: Covey, Charles
Title: President Credential: [Click to enter text.](#)
Organization Name: Landvest Development, LLC
Mailing Address: PO Box 1387 City, State, Zip Code: McKinney, TX, 75070
Phone No.: (903) 271-8907 E-mail Address: charles@landvestdev.com

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Ms. Last Name, First Name: Carey Thomas
Title: VP Credential: [Click to enter text.](#)
Organization Name: Undine Texas Environmental, LLC
Mailing Address: 17681 Telge Road City, State, Zip Code: Cypress, TX, 77429
Phone No.: (713) 554-7820 E-mail Address: cthomas@undinellc.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Ms. Last Name, First Name: Carey Thomas
Title: VP Credential: [Click to enter text.](#)
Organization Name: Undine Texas Environmental, LLC
Mailing Address: 17681 Telge Road City, State, Zip Code: Cypress, TX, 77429
Phone No.: ((713) 554-7820 E-mail Address: cthomas@undinellc.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Covey, Charles
Title: President Credential: [Click to enter text.](#)
Organization Name: Landvest Development, LLC
Mailing Address: PO Box 1387 City, State, Zip Code: McKinney, TX, 75070
Phone No.: (903) 271-8907 E-mail Address: charles@landvestdev.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Landvest Shop

Location within the building: Front Desk

Physical Address of Building: 2030 G Ave, STE 1107

City: Plano

County: Collin

Contact (Last Name, First Name): Covey, Charles

Phone No.: (903) 271-8907 Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information is required for **new, major amendment, minor amendment or minor modification, and renewal** applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☒ Yes

☐ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☒ Yes

☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: Attachment 02 10053 Administrative Report 1.0 Section 8.F

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: Attachment 03 10053 Administrative Report 1.0 Section 8.G

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN N/A

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

The Acres at Desert Creek

C. Owner of treatment facility: Landvest Development, LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Attachment 04 10053 Administrative Report 1.0 Section 9.D

E. Owner of effluent disposal site:

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text.

City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐ Yes ☐ No

If **no**, or a new permit application, please give an accurate description:

The effluent disposal site is located 1,425' east of the intersection of County Road 584 and Hwy 160 and 1003' north of the southbound lane of Hwy 121.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐ Yes ☐ No

If **no**, or a new or amendment permit application, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

Through a six-inch pipe to outfall at 33°23'29.5903", -096°23'45.3596" into Desert Creek, >9 miles downstream to confluence with Pilot Grove Creek – segment 0821.

City nearest the outfall(s): Blue Ridge

County in which the outfalls(s) is/are located: Collin

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

- ☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: N/A

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☒ Yes ☐ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Firoj Vahora

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☒ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Attachment 07 10053 Administrative Report 1.0 Section 13 Lease Agreement, Attachment 08 10053 Administrative Report 1.0 Section 13 Step Tank Requirements

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: Click to enter text.

Applicant: Click to enter text. Charles Covey

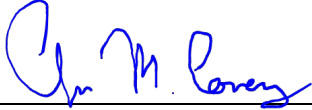
Certification:

I 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.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Click to enter text. Charles Covey

Signatory title: Click to enter text. President

Signature:  Date: 04/08/2025

(Use blue ink)

State of FLORIDA, County of PALM BEACH

Subscribed and Sworn to before me by the said Charles Covey

on this 08 day of April, 20 25.

My commission expires on the 13th day of July, 20 28.

PRESENCE TYPE: Online Notarization

ID TYPE: Texas DL



Notary Public

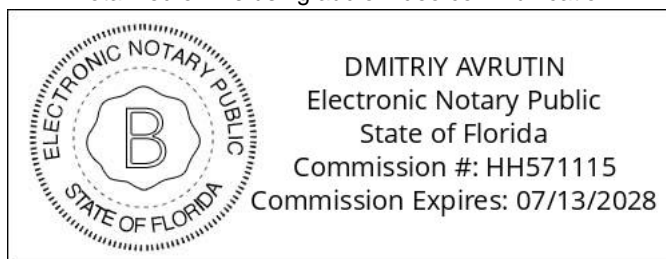
DMITRIY AVRUTIN

Palm Beach

County, ~~Texas~~ Florida

ba

Notarized online using audio-video communication



DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
 - ☐ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Collin County Central Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes
 - ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☐ Restrictive easement
- ☒ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: Attachment 14_10053_DWPASPI 1.0_SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)
5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed.
Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☐ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit.
8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☐ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☐ Yes

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #1 – CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>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).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John) <i>If new Customer, enter previous Customer below:</i>					
Landvest Development, LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0804476085		32083435449		880529154	
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		PO Box 1387			
City		McKinney		State	
TX		ZIP		75070	
ZIP + 4					
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				charles@landvestdev.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

(903) - 271-8907		() -
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SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>																							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information																							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>																							
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>																							
The Acres at Desert Creek, LP																							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="8" style="height: 20px;"></td> </tr> <tr> <td style="width: 15%; padding: 5px;">City</td> <td style="width: 15%;"></td> <td style="width: 15%; padding: 5px;">State</td> <td style="width: 15%;"></td> <td style="width: 15%; padding: 5px;">ZIP</td> <td style="width: 15%;"></td> <td style="width: 15%; padding: 5px;">ZIP + 4</td> <td style="width: 15%;"></td> </tr> </table>															City		State		ZIP		ZIP + 4	
City		State		ZIP		ZIP + 4																	
24. County																							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	15776 HWY 160, 75485-0000						
26. Nearest City					State	Nearest ZIP Code	
Blue Ridge					TX	75424	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
33°	23'	43.0"	96°	24'	12.0"		
29. Primary SIC Code <small>(4 digits)</small>		30. Secondary SIC Code <small>(4 digits)</small>		31. Primary NAICS Code <small>(5 or 6 digits)</small>		32. Secondary NAICS Code <small>(5 or 6 digits)</small>	
6514		6515		236116			
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Real Estate Development: Build-to-Rent & Manufactured Home Community							
34. Mailing Address:	PO Box 1387						
	City	McKinney	State	TX	ZIP	75070	ZIP + 4
35. E-Mail Address:	charles@landvestdev.com						
36. Telephone Number			37. Extension or Code			38. Fax Number <i>(if applicable)</i>	
903) - 271-8907						() -	

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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Charles Covey			41. Title:	President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(903) - 271-8907		() -	charles@landvestdev.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:	Landvest Development, LLC	Job Title:	President
Name (In Print):	Charles Covey	Phone:	(903) - 271-8907
Signature:		Date:	11/14/2024

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #2 – PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by [Title 30, Texas Administrative Code \(30 TAC\), Chapter 39, Subchapter H](#). Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 TAC Section 39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Landvest Development, LLC (2. Enter Customer Number here (i.e., CN6#####)) proposes to operate The Acres at Desert Creek wastewater treatment facility (5. Enter Regulated Entity Number here (i.e., RN1#####)), a secondary treatment wastewater system with UV disinfection. The facility will be located at 15774 HWY 160, in Blue Ridge, Collin County, Texas 75496. This application is for the approval to discharge at an annual average flow of 132,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain carbonaceous biochemical oxygen demand (CBOD), suspended solids (TSS), ammonia nitrogen (NH₃-N), nitrates (NO₃), and Escherichia coli. Maximum allowable concentrations and mass loads in the permit application package. Domestic wastewater will be treated by primary settling of solids and scum in baffled septic tanks at the residences, followed by underground digestion tanks at the treatment facility, falling into an equalization basin fitted with two, quadplex pump arrays dosing into a 4-train MBBR+SAF biological treatment reactor designed for simultaneous

organics reduction, nitrification and denitrification. The treated effluent will fall through a UV disinfection reactor designed and configured according to TAC 30.1.217.L.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Landvest Development, LLC (2. Introduzca el número de cliente aquí (es decir, CN6#####).) propone operar La planta de tratamiento de aguas residuales de Acres at Desert Creek 5. Introduzca el número de entidad regulada aquí (es decir, RN1#####), una sistema de tratamiento secundario de aguas residuales con desinfección UV. La instalación estará ubicada en 15774 HWY 160, en Blue Ridge, Condado de Collin, Texas 75496. Esta solicitud es para la aprobación para descargar a un flujo promedio anual de 132,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno (CBOD), sólidos suspendidos (TSS), nitrógeno amoniacal (NH₃-N), nitratos (NO₃) y Escherichia coli. Concentraciones máximas permitidas y cargas másicas en el paquete de solicitud de permiso. Aguas residuales domésticas. estará tratado por tratados por sedimentación primaria de sólidos y escoria en tanques sépticos deflectores en las residencias, seguidos de tanques de digestión subterráneos en la instalación de tratamiento, cayendo en una cuenca de ecualización equipada con dos conjuntos de bombas cuádruples que dosifican en un reactor de tratamiento biológico MBBR+SAF de 4 trenes diseñado para la reducción, nitrificación y desnitrificación simultáneas de compuestos orgánicos. El efluente tratado caerá a través de un reactor de desinfección UV diseñado y configurado de acuerdo con TAC 30.1.217.L.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WO-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example

Individual Industrial Wastewater Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #3 – PUBLIC INVOLVEMENT PLAN FORM FOR PERMIT AND REGISTRATION APPLICATIONS



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
 Radioactive Material Licensing Underground Injection Control

Water Quality

 Texas Pollutant Discharge Elimination System (TPDES)
 Texas Land Application Permit (TLAP)
 State Only Concentrated Animal Feeding Operation (CAFO)
 Water Treatment Plant Residuals Disposal Permit
 Class B Biosolids Land Application Permit
 Domestic Septage Land Application Registration

Water Rights New Permit

 New Appropriation of Water
 New or existing reservoir

Amendment to an Existing Water Right

 Add a New Appropriation of Water
 Add a New or Existing Reservoir
 Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

Yes No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

Yes No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

Yes No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

Yes No

(e) If a public meeting is held, will a translator be provided if requested?

Yes No

(f) Hard copies of the application will be available at the following (check all that apply):

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

Yes No

What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #4 – LEASE AGREEMENT

**CONTRACT FOR THE DEVELOPMENT AND PURCHASE OF PUBLIC DRINKING
WATER AND SANITARY SEWER FACILITIES AND TRANSFER OF GROUNDWATER
INTERESTS IN COLLIN COUNTY, TEXAS**

EXHIBIT E
UTILITY EASEMENTS

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

AFTER RECORDING, RETURN TO:

Undine Texas, LLC
17681 Telge Road
Cypress, Texas 77429

UTILITY EASEMENT
(4.64 Acres)

THIS UTILITY EASEMENT (this "**Agreement**") is made and entered into as of the _____ day of _____ 2025, by and between Undine Texas, LLC, having an address of 17681 Telge Road, Cypress, Texas 77429 ("Grantee") and The Acres at Desert Creek, LP, having an address of 2030 G Avenue Suite 1107, Plano, TX 75074 ("Grantor").

RECITALS:

WHEREAS, Grantee as owner and holder of the Certificates of Convenience and Necessity for the real property affected by the Easement (as defined below);

WHEREAS, Grantor is the record owner of the "Easement Area" herein defined:

WHEREAS, the Grantor and Grantee desire to adopt, establish and impose the Easement on the Easement Area, as more specifically provided herein.

NOW, THEREFORE, Grantor and Grantee hereby adopt, establish, and impose the following easement upon the Easement Area (hereinafter defined) and declares that the Easement Area is and shall be held,

transferred, assigned, sold, conveyed and occupied subject to all such easements set forth in this Agreement.

THEREFORE, Grantor and Grantee, intending to be legally bound hereby, agree as follows:

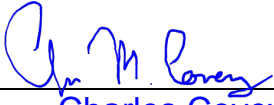
1. The foregoing recitals are incorporated herein by this reference thereto.
2. GRANTOR HEREBY GRANTS, SELLS, AND CONVEYS TO GRANTEE a non-exclusive utility easement (the "Easement") over the property described on **Exhibit 1** and shown on **Exhibit 2**, attached hereto and incorporated herein (the "Easement Area") for the purposes of inspecting, maintaining, operating, repairing and replacing, as required, its water and wastewater lines and related facilities and equipment located at, and for ingress and egress to the water production facilities and related improvements ("**Production Facilities**") and wastewater treatment plant(s) and related improvements ("**Wastewater Treatment Facilities**") (the Production Facilities and Wastewater Treatment Facilities being collectively referred to as the "**Plants**"), described within the Easement Area and all related lift stations and related water and wastewater facilities lines and equipment, as further described on Exhibit 1 and shown on Exhibit 2. 'This Easement is a permanent easement and the Grantee, from time to time, shall have a right of ingress and egress over, under, through and across the Easement Area for the purposes of operating, repairing, reconstructing and replacing, as required, maintaining, altering and/or inspecting the Plants, and related facilities, lines, and equipment on the Property from and after their conveyance by Grantor to the Grantee hereunder.
3. This Easement is non-exclusive, and permits the construction, use and occupancy of improvements such as homes and buildings upon the Easement Area as further described on Exhibit 1 and Exhibit 2 so long as their construction and use is in compliance with the provisions of that certain Contract for the Development and Purchase of Public Drinking Water and Sanitary Sewer Facilities and Transfer of Groundwater Interests in Collin County, Texas by and between Grantor and Grantee (the "Contract") and does not materially interfere with the purpose of Beneficiary's Easement as stated herein and in said Contract. Grantor, its successors, substitutes and assigns, shall have the right from time to time to make further improvements and/or grant further easements over, across, through and under the Property, including the Easement Area, for any lawful purpose, provided, that its holder shall not interfere with the rights of the Grantee set forth grant herein or violate the Contract.
4. The Easement granted herein is binding upon the parties their heirs, personal representatives, successors and assigns and shall run with the land for so long as the Plants are operated by Grantee pursuant to the Contract. Upon expiration or termination of this Easement, the parties agree to execute, deliver, and record such documents and instruments as are reasonably required to document the expiration or termination of the Easement.
5. This Agreement shall be subject to and governed by the laws of the State of Texas.
6. Enforcement of this Agreement shall be by proceedings at law or in equity against any person or persons violating or attempting to violate the restrictions in this Agreement.

7. This Easement is subject to any and all valid and subsisting oil, gas, sulfur and mineral leases, unitization agreements, deeds, other easements and other instruments now of record in the real property records of Collin County, Texas, and any unrecorded prior easements under which improvements have been constructed in such a manner as to be apparent to the Grantee from an inspection of the Property, and which relate to all or any portion of the areas of the Property that are subject to this Easement.
8. TO HAVE AND TO HOLD the above described easement, together with all and singular the rights and appurtenances thereto in anywise belonging, including all necessary rights of ingress, egress, and regress, unto the said Grantee, its successors and assigns, forever, and Grantor does hereby bind itself and its administrators, successors and assigns to WARRANT AND FOREVER DEFEND, all and singular, the said easements unto the Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, subject to all of the terms, conditions, provisions and limitations herein.

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GRANTOR:

The Acres at Desert Creek, LP., a Texas Limited Partnership by Landvest Partners LLC a Texas Limited Liability Company, its General Partner

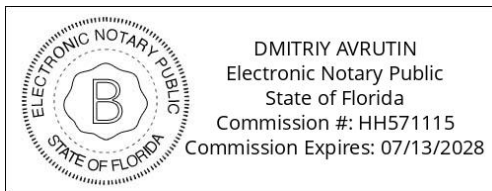
By: 
Name: Charles Covey
Title: Manager

THE STATE OF Florida

COUNTY OF Palm Beach

This instrument was acknowledged before me on this 08 day of April, 2025, by Charles Covey Manager of Landvest Partners LLC, General Partner of The Acres at Desert Creek, LP, on behalf of said Limited Partnership.

Notarized online using audio-video communication




NOTARY PUBLIC **DMITRIY AVRUTIN**
STATE OF Florida

PRESENCE TYPE: Online Notarization
ID TYPE: Texas DL

EXHIBIT 1
To Utility Easement

EXAMPLE LEGAL DESCRIPTION OF THE EASEMENT AREA FOR ILLUSTRATIVE PURPOSES

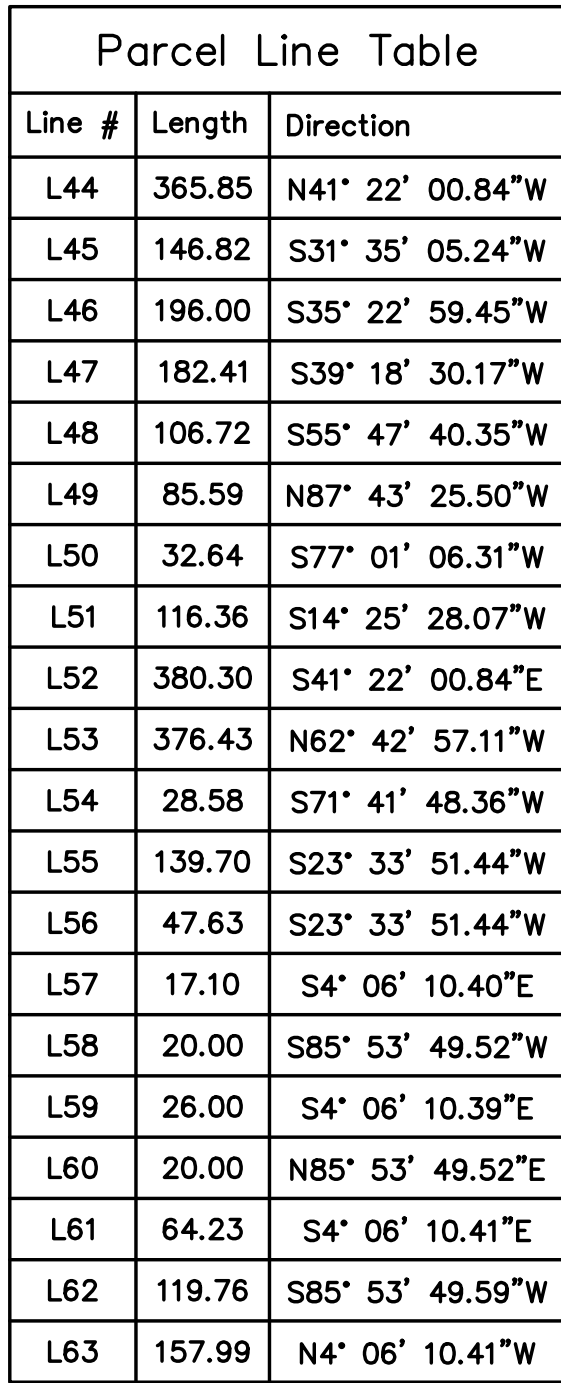
A tract of land situated in Collin County, Texas, being a portion of the property owned by The Acres at Desert Creek, LP, as recorded in the real property records of Collin County, Texas. Said tract comprises 4.64 acres, more or less, designated as a utility easement area, as described in Exhibit 1 and depicted in Exhibit 2 of the Utility Easement Agreement executed on [insert day] of 2025 between The Acres at Desert Creek, LP, and Undine Texas, LLC. The easement boundary includes the following curved segments, with specific metes and bounds to be completed upon receipt of line bearings and distances:

EASEMENT CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	39.68	213.00	10.67	S36° 45' 06"W	39.62
C2	111.11	113.00	56.34	S4° 36' 15"E	106.69
C3	119.48	162.00	42.26	S11° 38' 36"E	116.79
C4	66.58	322.50	11.82	S3° 28' 20"W	66.46
C5	49.70	30.01	94.88	S43° 21' 39"W	44.21
C6	165.68	50.00	189.86	S4° 06' 10"E	99.63
C7	49.70	30.00	94.91	S51° 34' 04"E	44.21
C8	47.12	30.00	90.00	S40° 53' 51"W	42.43
C9	47.12	30.00	90.00	S49° 06' 10"E	42.43
C10	132.61	80.00	94.97	N43° 20' 10"E	117.94
C11	132.61	80.00	94.97	N43° 20' 22"E	117.94
C12	73.65	352.65	11.97	N3° 24' 21"E	73.51
C13	97.38	132.00	42.27	N11° 38' 17"W	95.19
C14	68.62	987.00	3.98	S44° 03' 58"W	68.60
C15	48.47	30.00	92.58	N87° 39' 16"W	43.37

EASEMENT LINE TABLE		
LINE #	LENGTH	DIRECTION
L44	365.85	N41° 22' 0.84W
L45	146.82	S31° 35' 5.24"W
L46	196.00	S35° 22' 59.45"W
L47	182.41	S39° 18' 30.17"W
L48	106.72	S55° 47' 40.35"W
L49	85.59	N87° 43' 25.50"W
L50	32.64	S77° 1' 6.31"W
L51	116.36	S14° 25' 28.07"W
L52	380.30	S41° 22' 0.84"E
L53	376.43	N62° 42' 57.11"W
L54	28.58	S71° 41' 48.36"W
L55	139.70	S23° 33' 51.44"W
L56	47.63	S23° 33' 51.44"W
L57	17.10	S4° 6' 10.39"E
L58	20.00	N85° 53' 49.52"W
L59	26.00	S4° 6' 10.41"E
L60	20.00	N85° 53' 49.52"E
L61	64.23	S4° 6' 10.41"E
L62	119.76	S85° 53' 49.59"W
L63	157.99	N4° 6' 10.41"W
L64	98.69	N29° 51' 36.20"W
L65	45.78	N85° 46' 38.39"E
L66	46.11	N36° 27' 1.80"W

1. Mail Boxes shall meet USPS specifications.
2. Driveway connections must meet Collin County specifications.
3. All roadway signs shall meet Collin County specifications.
4. Collin County will only maintain street signs and poles with approved and in use by Collin County Public
5. Collin County does not, and will not accept street lights for maintenance or operation.
6. A road dedicated to the public may not be obstructed, including by means of a gate.
7. Blocking the flow of water, constructing improvements in drainage easements, and filling or obstruction of the roadway is prohibited.
8. The existing creeks or drainage channels traversing along or across the subdivision will remain as open channels and will be maintained by individual owners of the lot or lots that are traversed by or adjacent to the drainage course along or across said lots.
9. Collin County will not be responsible for the maintenance and operation of said drainage ways or for the control of erosion in said drainage ways.
10. Collin County will not be responsible for and damage, personal injury or loss of life or property occasioned by flooding or flooding conditions.
11. All surface drainage easements shall be kept clear of buildings, foundations, structures, plantings, and other obstructions to the operation, access and maintenance of the drainage facility.
12. Fences and utility appearances may be 100-yd drainage easement provided they are design-yd floodplains, as shown on the plat, placed within the placed outside the easement.
13. All necessary Collin County authorizations (permits, etc.) are required for building sewage facilities, and driveway curbs, (i.e., flood plain construction, on-site
14. All private driveway tie-ins to a County maintained roadway, or roadway with expectations of being accepted into the County roadway networks, must be even with the existing driving surface.
15. The finish floor elevations of all house pods shall be at least 1-ft above the highest elevation of the surrounding ground around the house after final grading and two feet (2) above the 100-year base flood elevation.
16. Except for ditches that are adjacent to Roadways and/or culverts and other improvements for the use of a Roadway, the County generally will not accept drainage improvements for maintenance, including retention and detention ponds. Therefore, the Applicant must provide for this work to be done either by way of an HOA; by providing in the Deed Restrictions that each lot owner is responsible for maintaining the portions of the drainage improvements on or adjacent to their lot; or other method.
17. Individual lots in a Subdivision are considered part of a larger common plan of development, regardless of when construction activity takes place on that lot in relation to the other lots, and are required to have BMP's and comply with the Construction General Permit.
18. The developer, Contractor, or Builder of any structure on a single lot in a developing subdivision shall prepare on SW3P and submit to the Director of Engineering prior to Receiving any permits.

1. Heavy Lines indicate plot limits.
2. All streets and easements within plot limits are herein dedicated, unless noted otherwise.
3. All existing or proposed utility services to and on tracts indicated by this plot shall be contained in the public right-of-way and public or private utility easements. Utility service installation requested at a future date, and not within on easement indicated by this plot, shall be within a proper utility easement granted by the owner of said property by separate recorded instruments prior to the provision of such service. Such easements shall be at the expense of the entity requesting such installation.
4. All lots will be served by privately owned On-Site Sewage Treatment Facilities.
5. Water service will be provided by Desert Water Supply Corporation.
6. Blanket underground utility easement as required of service within the plot limits is herein granted to Desert Water Supply Corporation and Texas New Mexico Power. No other property, beyond the plot limits, will be entitled to use any portion of the property described herein for connection to or transmission of any utility service under the terms of this blanket easement.
7. All common areas are to be maintained by the Homeowners Association established for this Development.
8. All lots have a 10' Side Yard Setback (15' Side Yard Setback along streets), 25' Front Yard Setback and 20' Rear Yard Setback unless otherwise noted.
9. Minimum floor elevations shall conform to the requirements of the Collin County Drainage Design Standards.
10. Any easements or rights-of-way shown as 'to be dedicated by separate instrument' are shown on the plot for information purposes only. This plat does not dedicate said easements.
11. Either all or a portion of this surveyed property lies within a 'Special Flood Hazard Boundary.' These boundaries are established by the Federal Emergency Management Agency, not this surveyor. Flood hazard maps are on file at Collin County, Texas and are open for public inspection.
12. Coordinate values shown hereon are based upon the Texas Coordinate System, North Central Zone, NAD83 Datum.
13. Distances and areas shown hereon are based on horizontal surface measurements in U.S. feet.

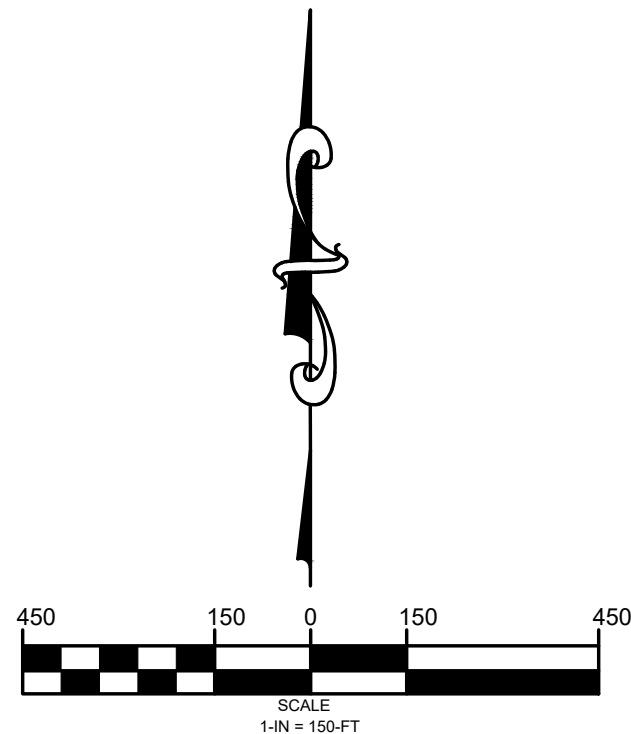


Parcel Line Table		
Line #	Length	Direction
L104	50.49	S35° 03' 14.38"W
L105	52.47	S12° 50' 40.53"E
L106	112.46	S28° 41' 30.37"E
L107	382.09	S84° 46' 36.99"W
L108	608.59	S0° 45' 59.46"E

Curve Table					
Curve #	Length	Radius	Delta	Chord Direction	Chord Length
C1	39.68	213.00	10.67	S36° 45' 06"W	39.62
C2	111.11	113.00	56.34	S4° 36' 15"E	106.69
C3	119.48	162.00	42.26	S11° 38' 36"E	116.79
C4	66.58	322.65	11.82	S3° 28' 20"W	66.46
C5	49.70	30.01	94.88	S43° 21' 39"W	44.21
C6	165.68	50.00	189.86	S4° 06' 10"E	99.63
C7	49.70	30.00	94.91	S51° 34' 04"E	44.21
C8	47.12	30.00	90.00	S40° 53' 51"W	42.43
C9	47.12	30.00	90.00	S49° 06' 10"E	42.43
C10	132.61	80.00	94.97	N43° 20' 22"E	117.94
C11	132.61	80.00	94.97	N43° 20' 22"E	117.94
C12	73.65	352.65	11.97	N3° 24' 21"E	73.51
C13	97.38	132.00	42.27	N11° 38' 17"W	95.19
C14	68.62	187.00	39.88	S44° 03' 58"W	68.60
C15	48.47	30.00	92.58	N87° 39' 16"W	43.37

Parcel Line Table		
Line #	Length	Direction
L64	98.69	N29° 51' 36.20"W
L65	45.78	N85° 46' 38.39"E
L66	46.11	N36° 27' 01.80"W
L67	70.24	N90° 00' 00.00"E
L68	155.73	S41° 32' 46.85"E
L69	108.74	S7° 53' 01.00"W
L70	155.75	S18° 40' 02.54"E
L71	74.36	S54° 48' 56.34"E
L72	63.01	S65° 52' 26.87"E
L73	159.17	S2° 33' 43.08"E
L74	133.57	S56° 45' 30.37"W
L75	99.11	S1° 17' 33.02"E
L76	71.80	S50° 57' 08.04"E
L77	147.72	S28° 57' 15.27"E
L78	129.60	S26° 27' 25.64"W
L79	98.68	S30° 40' 09.67"E
L80	156.36	S13° 14' 04.48"W
L81	109.79	S4° 47' 56.64"E
L82	382.60	S14° 36' 31.79"E
L83	404.66	N88° 31' 43.18"E

Parcel Line Table		
Line #	Length	Direction
L84	708.07	N85° 53' 49.52"E
L85	1296.23	N89° 32' 09.34"E
L86	442.71	N1° 11' 10.69"W
L87	209.73	N88° 18' 55.14"E
L88	1734.03	N1° 50' 22.00"W
L89	1323.41	S88° 55' 55.71"W
L90	437.45	S0° 07' 51.46"E
L91	32.84	S88° 32' 45.98"W
L92	31.31	S5° 29' 53.39"W
L93	247.86	S31° 35' 05.24"E
L94	193.98	S35° 22' 59.45"W
L95	177.04	S38° 18' 30.17"W
L96	92.49	S55° 47' 40.35"W
L97	79.72	N87° 43' 25.50"W
L98	54.90	S77° 01' 06.31"W
L99	143.16	S14° 25' 28.07"W
L100	91.51	S7° 00' 30.73"W
L101	114.62	S71° 41' 48.36"W
L102	118.74	S48° 17' 58.86"W
L103	51.50	S75° 22' 44.85"W



-----	UTILITY EASEMENT
=====	PROPERTY BOUNDARY
-----	100-YEAR FLOOD ELEVATION



ACRES AT DESERT CREEK
LAND VEST DEVELOPMENT

PLAT

REG.
PROF. ENGINEER No.: 84992

[illegible]

PROJECT NO	M2315391.01
DATE	MARCH 2025
SCALE	AS NOTED

SHEET NO.

0

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #5 – SLUDGE MANAGEMENT PLAN

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

PROJECT OVERVIEW:

- **Project Name:** Acres at Desert Creek
 - **Owner of Property:** Charles Covey, President, Landvest Development, LLC
 - Address: PO Box 1387, McKinney, TX 75070
 - Contact: charles@landvestdev.com, 903-271-8907
 - **Location:** Texas Highway 160, Collin County, Texas
 - **Development Size:** 292 mobile homes, 92 two-bedroom duplexes, 142 three-bedroom duplexes.
-

TREATMENT SYSTEM OVERVIEW:

The wastewater treatment system for the Acres at Desert Creek project comprises:

- **S.T.E.P. Collection System:**
 - 117 duplex STEP tanks and 158 simplex STEP tanks (275 total tanks).
 - Total volume: 325,064 gallons.
 - Located at residential units, providing primary treatment by capturing solids, fats, oils, and grease (FOG).
 - **Pre-Treatment Stage:**
 - Three digestion tanks (20,000 gallons each, total 60,000 gallons).
 - One equalization tank (20,000 gallons).
 - **Advanced Treatment:**
 - Two bioreactors with biofilm technology, designed for 132,000 gallons per day (GPD).
-

KEY DESIGN DATA:

- **Average Daily Flow:** 88,275 GPD (0.0883 MGD).
- **Peak Flow:** 132,413 GPD (0.1324 MGD).
- **WWTP System Capacity:** 132,000 GPD.
- **Raw Influent Concentrations:**
 - CBOD5: 271 mg/L.
 - TSS: 271 mg/L.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- **Post-STEP Effluent Concentrations:**
 - CBOD5: 175.2 mg/L (35.3% reduction from raw).
 - TSS: 95 mg/L (65% reduction from raw).
- **AquaTechSystems Sludge Estimate:** 0.22 m³/day (58.12 gal/day) at design capacity, reflecting low sludge yield due to biofilm technology and Bacti-Bio 9500 stabilization.

Population Served:

- 292 mobile homes (3 persons each): $292 \times 3 = 876$ persons.
- 92 two-bedroom units (2.5 persons each): $92 \times 2.5 = 230$ persons.
- 142 three-bedroom units (3.5 persons each): $142 \times 3.5 = 497$ persons.
- **Total Population:** $876 + 230 + 497 = 1,603$ persons.

Flow Data Verification:

- Total residential flow: 87,675 GPD (43,800 GPD from mobile homes + 43,875 GPD from two- and three-bedroom units) + 600 GPD for community buildings = 88,275 GPD average.
 - Per capita flow: $88,275 \text{ GPD} \div 1,603 \text{ persons} \approx 55 \text{ GPD/person}$, which is reasonable for residential wastewater generation (typically 50-75 GPD/person).
 - The system design flows are assumed fixed based on unit counts and engineering estimates, not directly scaled with population, so they remain unchanged.
-

SLUDGE PRODUCTION AND MANAGEMENT STRATEGY

The treatment process is designed such that solids are effectively captured by the STEP tanks and do not make their way to the WWTP (digestion tanks and bioreactors). Consequently:

- **Sludge Accumulation Location:** STEP tanks are the primary and sole location for sludge accumulation.
- **WWTP Sludge Management:** No sludge disposal is required at the WWTP due to the efficiency of the STEP system and biofilm technology in the bioreactors, which minimizes solids carryover.

This plan focuses exclusively on sludge management for the STEP tanks, ensuring compliance with TCEQ regulations.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

STEP Tanks Sludge Management

Sludge Production

- **Population-Based Estimate:**
 - Using a conservative accumulation rate of 50 gallons per person per year (per EPA Onsite Wastewater Treatment Systems Manual):
 - For 1,603 persons: $1,603 \times 50 = 80,150 \text{ gallons/year} \approx 219.6 \text{ gallons/day}$ ($80,150 \div 365$).
- **Verification with TSS Removal:**
 - TSS removed in STEP tanks: $271 \text{ mg/L (raw)} - 95 \text{ mg/L (post-STEP)} = 176 \text{ mg/L}$.
 - At average flow ($88,275 \text{ GPD} = 0.0883 \text{ MGD}$):
 - Dry solids captured = $0.0883 \text{ MGD} \times 176 \text{ mg/L} \times 8.34 \text{ lb/MG/mg/L} = 129.5 \text{ lb/day}$.
 - Assuming sludge at 2% solids:
 - Wet sludge volume = $129.5 \text{ lb/day} \div 0.02 \div 8.34 \text{ lb/gal} \approx 776 \text{ gal/day}$.
 - Annualized: $776 \text{ gal/day} \times 365 \approx 283,240 \text{ gal/year}$.
 - **Note:** The TSS-based estimate reflects immediate solids capture, but anaerobic digestion in STEP tanks reduces volume over time. The population-based rate (50 gal/person/year) is more appropriate for long-term accumulation and is adopted for planning.

Management and Removal Schedule

- **Frequency:** Every 5 years, as specified, with flexibility to adjust based on monitoring.
- **Volume per Cleanout:**
 - 5 years: $80,150 \text{ gal/year} \times 5 = 400,750 \text{ gallons}$.
- **Capacity Check:**
 - Total STEP tank volume = 325,064 gallons.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- At 5 years: 400,750 gallons exceeds capacity (123% of 325,064 gallons), requiring staggered cleanouts across 275 tanks.
 - Annual cleanout target: $\sim 80,150 \text{ gallons/year} \div 275 \text{ tanks} \approx 291 \text{ gallons/tank/year}$, with ~ 55 tanks cleaned annually ($80,150 \div 1,466 \text{ gallons/tank average capacity} \approx 55$).
 - **Monitoring:** Sludge levels will be monitored via manual inspection or optional sensors to adjust the schedule as needed.
-

SLUDGE HAULER AGREEMENT

This agreement acknowledges the arrangement for sludge removal from the treatment system at *Acres at Desert Creek*, and outlines the hauler's responsibilities, rates, and TCEQ credentials. This document will be submitted as part of the permit application to ensure compliance with TCEQ standards for solids management.

Sludge Hauler Details:

- **Hauler Name:** Hazmat Environmental Services, Inc.
- **Address:** 2605 Northaven, Dallas, TX 75229
- **General Manager:** Brad Henson
- **Contact Information:**
 - Phone: 972-243-1210
 - Email: bhenson@usahazmat.com

Scope of Work:

- Hazmat Environmental Services, Inc. will be responsible for the periodic removal of sludge from the *Acres at Desert Creek* treatment system.
- **Rate:** The rate per gallon for sludge removal will be at an initial \$.68 per gallon.
- **Sludge Disposal Facility:** The sludge will be transported and disposed of at the TCEQ-approved disposal facility:
 - **Disposal Site Name:** City of Dallas

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- **TCEQ Permit or Registration Number:** TBD based on which facility will receive waste. Will firm once project has begun.
- **County Where Disposal Site is Located:** Dallas County
- **Address:** TBD
- **Transportation Method:**
- **Method of Transportation:** Truck
- **Name of the Hauler:** Hazmat Environmental Services, Inc.
- **Hauler Registration Number:** 24802

Credentials:

- Hazmat Environmental Services, Inc. is a TCEQ-approved sludge hauler with the required certifications for handling and transporting wastewater sludge in accordance with TCEQ regulations. Their credentials are as follows:
 - **TCEQ Registration Number:** RN100757541
 - **License/Permit Number:** TXR000081656

By signing below, Hazmat Environmental Services, Inc. agrees to provide sludge hauling and disposal services for the *Acres at Desert Creek* project, in accordance with all TCEQ guidelines and regulatory requirements.

Signature:

Brad Henson

Name: Brad Henson

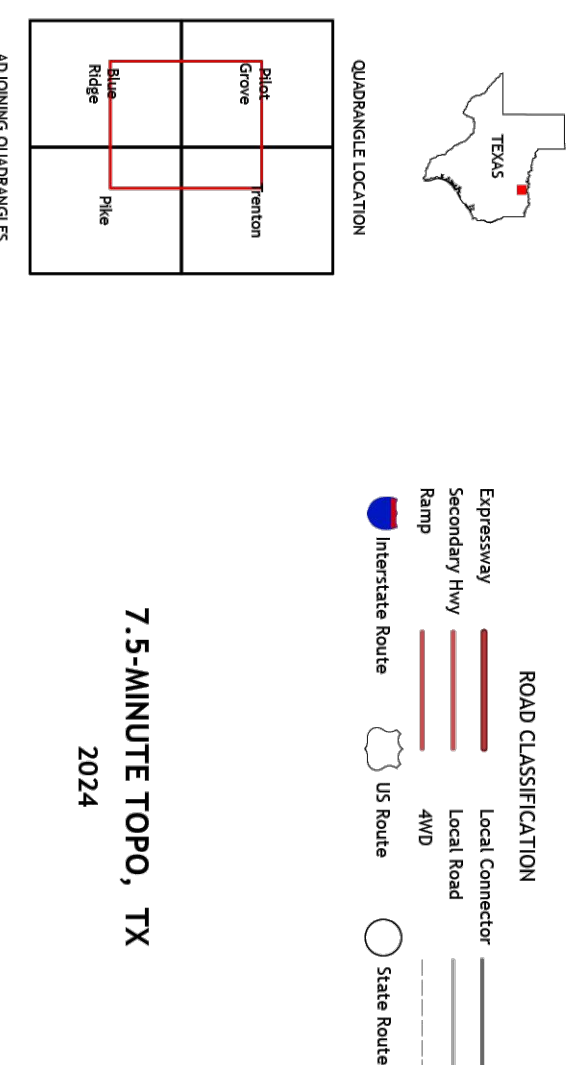
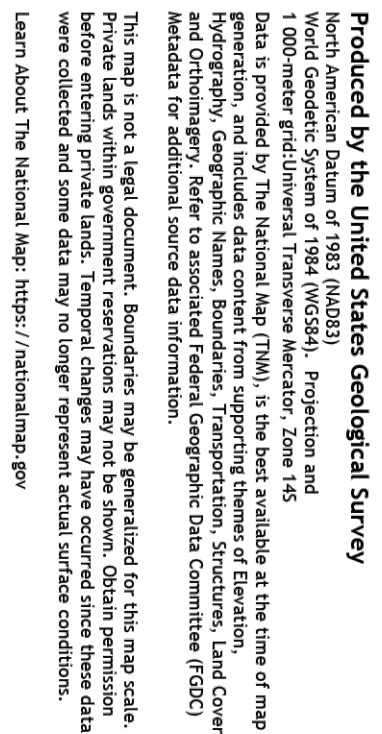
Title: General Manager

Company: Hazmat Environmental Services, Inc.

Date: 04/08/2025

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #6 – USGS MAP



ACRES AT DESERT CREEK

USGS MAP

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TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #7 – STEP TANK REQUIREMENTS

Maintenance and Disposal of Sludge from STEP Tanks

Acres at Desert Creek
Collin County, Texas

For the management and disposal of sludge from the STEP tanks at the Acres at Desert Creek project, the following supplemental information is provided, based on the treatment system and the estimated sludge removal schedule:

OWNERSHIP AND MAINTENANCE RESPONSIBILITY

- **Ownership:** The STEP tanks and the overall wastewater treatment system will be owned by the Homeowners Association (HOA) of Acres at Desert Creek.
 - **Management:** The HOA is owned and managed by Landvest Development, LLC, which will oversee the operation, maintenance, and compliance of the treatment system.
 - **Maintenance:** The HOA, through Landvest Development, will be responsible for maintaining the STEP tanks, including monitoring sludge levels, scheduling cleanouts, and ensuring the system operates effectively.
-

MAINTENANCE AND DISPOSAL OF SLUDGE FROM STEP TANKS

Sludge Generation from STEP Tanks

- Sludge accumulation will occur in the STEP tanks over time due to the settling of solids from the effluent.
- The expected frequency for sludge removal from the STEP tanks is once every 3 to 5 years, in line with the overall system design for sludge pumping.
- Sludge removal intervals could be adjusted if abnormal accumulation rates are observed, or if tank cleaning becomes necessary sooner than expected.

Tank Sizes for STEP Units

- Two sizes of STEP tanks are specified based on the daily flow rates (Q) as follows:
 1. For $Q \geq 251$ gal/day but ≤ 350 gal/day: The STEP tank volume will be 1,111 gallons.
 2. For $Q \geq 351$ gal/day but ≤ 500 gal/day: The STEP tank volume will be 1,278 gallons.

These tank sizes will accommodate the needs of the development and are designed to handle the anticipated sludge accumulation over the specified 3 to 5-year pumping interval.

Maintenance and Disposal of Sludge from STEP Tanks

Acres at Desert Creek
Collin County, Texas

Sludge Hauling Process

- **Hauling Services:** The sludge from the STEP tanks will be hauled away by **Hazmat Environmental Services, Inc.**, a certified sludge hauler.
- **Frequency:** Sludge removal is projected to occur every 3 to 5 years based on the expected rate of accumulation in the tanks.
- **Disposal:** The sludge will be transported to a TCEQ-approved disposal facility, where it will be properly disposed of in accordance with state guidelines.

Sludge Characteristics and Production Estimates

- The sludge accumulated in the STEP tanks will be similar in composition to that generated in other treatment components, consisting primarily of settled solids from the residential effluent.
- Specific production estimates may vary, but the system is designed to manage sludge effectively over the 5-year removal cycle based on typical residential effluent solids accumulation.

Sludge Removal and Disposal Logistics

The removal of sludge from the STEP tanks will be conducted by **Hazmat Environmental Services, Inc.**, which is responsible for ensuring that all sludge is disposed of at a TCEQ-certified facility. The logistics for transportation include:

- **Method of Transportation:** Sludge will be removed using trucks.
- **TCEQ Regulations:** Hazmat Environmental Services will comply with TCEQ regulations for sludge transport and disposal, ensuring that all necessary permits and registrations are up-to-date.

KEY POINTS TO ENSURE COMPLIANCE:

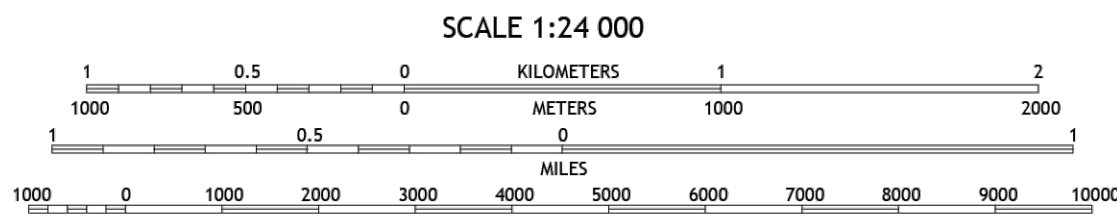
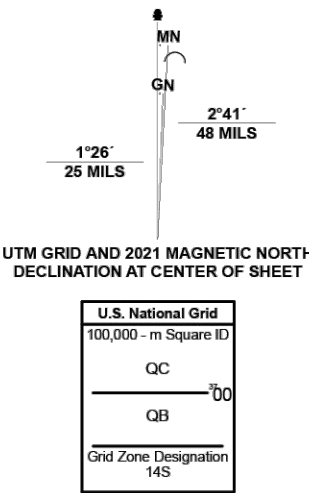
- The **sludge removal frequency** for the STEP tanks is expected every 5 years, but could be adjusted based on the rate of sludge accumulation.
- **Hazmat Environmental Services, Inc.** is the designated and certified hauler for the project, with full compliance to TCEQ regulations.
- **Sludge disposal** will be handled at a TCEQ-approved facility, ensuring that disposal is in line with environmental standards.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

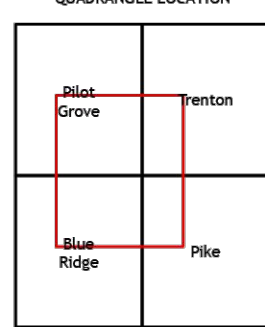
ATTACHMENT #8 – MAP OF AFFECTED PROPERTY OWNERS



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83). Projection and
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 14S
Data is provided by The National Map (TNM), is the best available at the time of map
generation, and includes data content from supporting themes of Elevation,
Hydrography, Geographic Names, Boundaries, Transportation, Structures, Land Cover,
and Orthorectification. Refer to associated Federal Geographic Data Committee (FGDC)
Metadata for additional source data information.
This map is not a legal document. Boundaries may be generalized for this map scale.
Private lands within government reservations may not be shown. Obtain permission
before entering private lands. Temporal changes may have occurred since these data
were collected and some data may no longer represent actual surface conditions.
Learn About The National Map: <https://nationalmap.gov>



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
CONTOUR SMOOTHNESS = Low



ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Interstate Route
Local Connector
Local Road
4WD
US Route
State Route

7.5-MINUTE TOPO, TX
2024

ACRES AT DESERT CREEK

10053_ADMINISTRATIVE REPORT_SECTION 1 MAP

MADRIDCPWG ENGINEERING, INC.
3918 N. HIGHLAND AVE.
TAMPA, FL
813-361-2644
WWW.MADRIDCPWG.COM

NO.	REVISION/ISSUE	DRAWN	CHECKED

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SHEET NO.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #9 – LIST OF AFFECTED PROPERTY OWNERS

ACRES AT DESERT CREEK

PROPERTY INFORMATION

1. **Owner Name:** DESERT CREEK TEFFT HOLDINGS LLC

Mailing Address: PO BOX 1387

Mailing Address City: MCKINNEY

Mailing Address State: TX

Mailing Address Zip: 75070-8151

2. **Owner Name:** ARR REAL ESTATE LLC

Mailing Address: 8725 HAVANT LN

Mailing Address City: PLANO

Mailing Address State: TX

Mailing Address Zip: 75024-7288

3. **Owner Name:** RSG INVESTMENTS D LLC

Mailing Address: 489 FOREST RIDGE DR

Mailing Address City: COPPELL

Mailing Address State: TX

Mailing Address Zip: 75019-2043

4. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

5. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

6. **Owner Name:** RILEY DEREK BRANT

Mailing Address: 15165 STATE HIGHWAY 78 N

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2157

7. **Owner Name:** ALLEY ELFORD WAYNE

Mailing Address: 15280 STATE HIGHWAY 160

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2122

ACRES AT DESERT CREEK

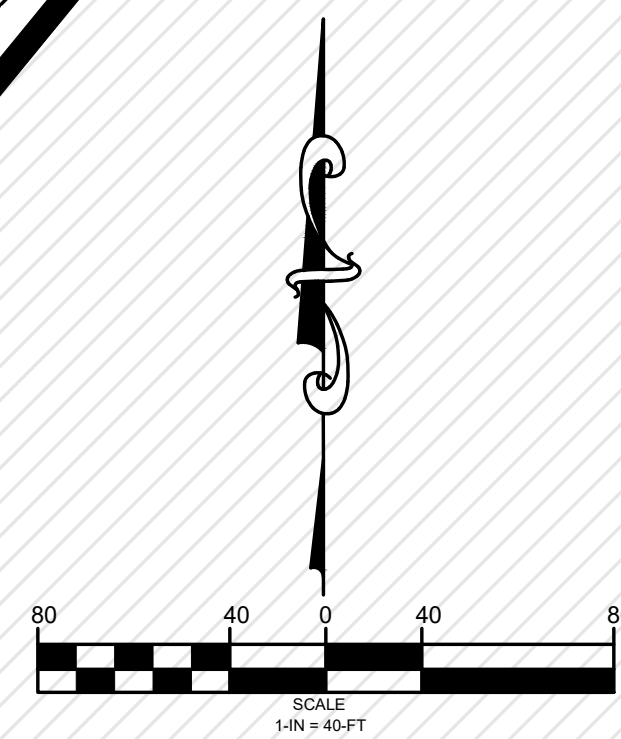
PROPERTY INFORMATION

8. **Owner Name:** ALLEY ELFORD WAYNE &
Mailing Address: 15312 STATE HIGHWAY 160
Mailing Address City: BLUE RIDGE
Mailing Address State: TX
Mailing Address Zip: 75424-2123

9. **Owner Name:** PAZPAC LLC
Mailing Address: 11056 PANORAMA DR
Mailing Address City: FRISCO
Mailing Address State: TX
Mailing Address Zip: 75035-6818

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #10 – ORIGINAL PHOTOGRAPHS



WWTP SITE PHOTOS'

REG.
PROF. ENGINEER No.: 84992

[illegible]

PROJECT NO. M2315391.01	SHEET NO. 0
DATE MARCH 2025	
SCALE AS NOTED	

10053 Section 2 – Original Photographs



Photograph #1 – View from discharge location looking north.

10053 Section 2 – Original Photographs



Photograph #2 – View from discharge location looking west, where the wastewater treatment unit will be located.

10053 Section 2 – Original Photographs



Photograph #3 – View from discharge location looking south.

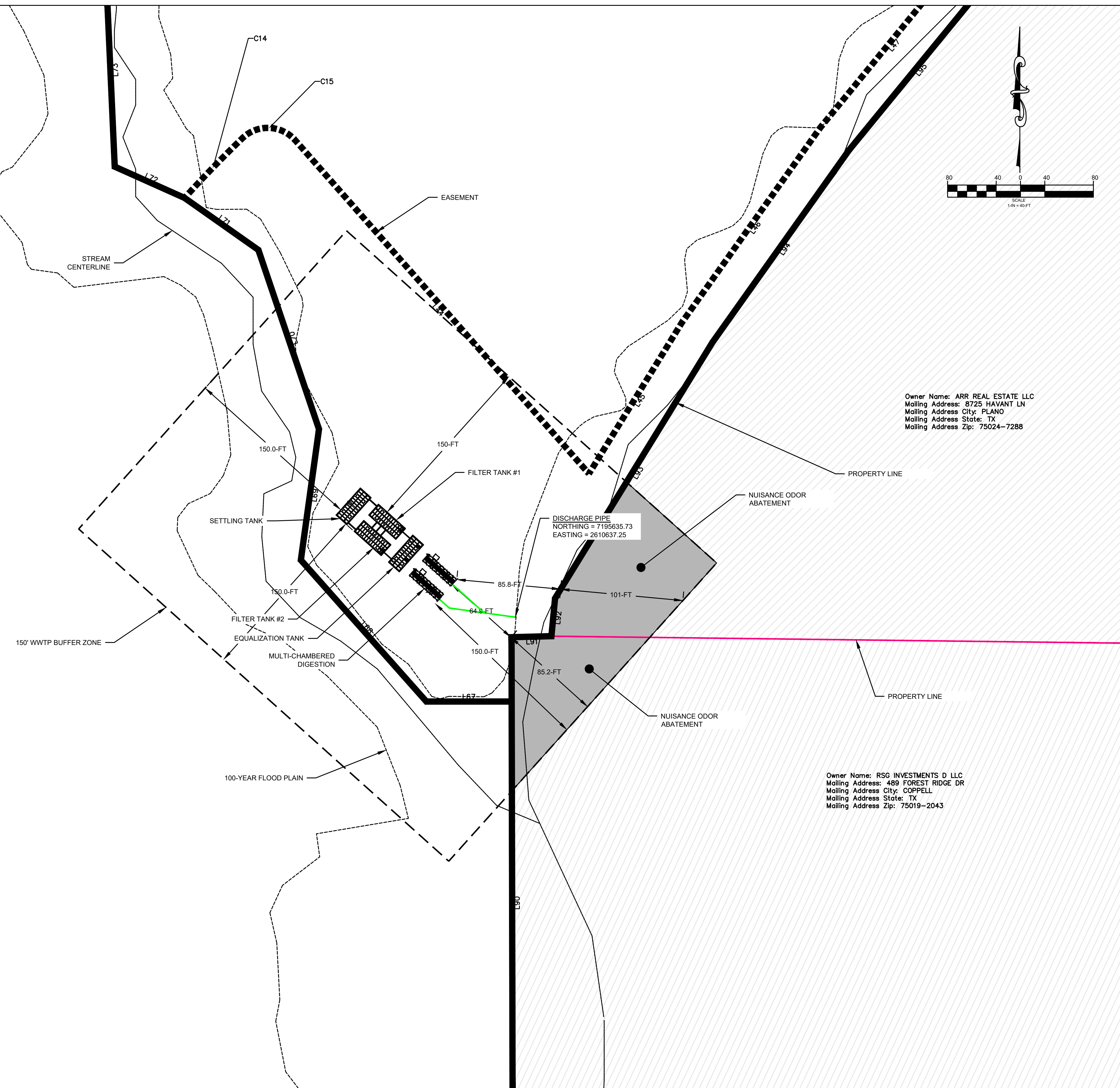
10053 Section 2 – Original Photographs



Photograph #4 – View from discharge location looking east.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #11 – BUFFER ZONE MAP



ACRES AT DESERT CREEK

WWTP BUFFER ZONE

REG.
PROF. ENGINEER No.: 84992

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PROJECT NO
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TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #12 – NUISANCE ODOR PREVENTION PLAN

NUISANCE ODOR PREVENTION PLAN

ACRES AT DESERT CREEK

DECEMBER 12, 2024

MADRID CPWG

5001 N. Nebraska Avenue, Suite A, Tampa, FL 33603

Table of Contents

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B. Digestion Tanks	3
C. Moving Bed Biofilm Reactors (MBBRs).....	3
D. UV Reactors and Discharge Pipe	4
E. Piping and Force Main	4
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C. Buffer Zones and Landscaping.....	4
Study Results and Data from Previous Studies	5
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B. Emission Levels and Detection	5
Emergency Protocols	6
Conclusion	7

Overview of Facility and Impact Area

The new wastewater treatment facility (WWTP) is designed to serve a community that uses STEP (Septic Tank Effluent Pump) systems for the initial treatment of wastewater before secondary treatment through advanced Moving Bed Biofilm Reactors (MBBRs). The MBBRs are a critical element of the treatment process, designed to provide effective and efficient biological treatment of wastewater with a low potential for nuisance odor generation. The facility will be located in close proximity to properties owned by RSG Investments D LLC and ARR Real Estate LLC, with the secondary treatment area extending 55 feet onto these properties. Due to the close proximity of the treatment plant to these residential properties, and the presence of secondary treatment components such as equalization basins, digestion tanks, and biofilm reactors, this Nuisance Odor Prevention Plan is intended to mitigate any potential odors associated with wastewater treatment processes.

MBBRs represent a cutting-edge technology that effectively minimizes odor emissions, a finding supported by the studies conducted by Aqua Tech Systems, LLC, which are referenced throughout this document. The overall goal is to reduce or prevent the release of odors, especially hydrogen sulfide (H₂S) and other sulfur-based compounds, which are commonly associated with wastewater treatment processes.

The facility's odor control strategy incorporates both preventive measures and operational practices to minimize odors, while ensuring compliance with Texas TPDES (Texas Pollutant Discharge Elimination System) guidelines, which regulate odor emissions. These regulatory requirements dictate acceptable emission levels, ensuring that potential nuisance odors do not negatively impact neighboring properties.

Goals of Nuisance Odor Prevention Plan

- **Minimize Odors:** The primary goal is to mitigate or eliminate nuisance odors, with a focus on secondary treatment processes, including the MBBRs, equalization basins, and digestion tanks.
- **Ensure Regulatory Compliance:** This plan ensures the facility operates in compliance with all relevant environmental standards, particularly in relation to odor emissions, as outlined by the Texas TPDES guidelines.
- **Safeguard Neighboring Properties:** To avoid any negative impact on neighboring properties (RSG Investments D LLC and ARR Real Estate LLC), this plan incorporates strategies to contain and eliminate odors effectively.

- **Provide Detailed Odor Mitigation Strategies:** The document will outline comprehensive measures and best practices for odor control, incorporating findings from previous studies, including the odor and air quality study conducted by Aqua Tech Systems, LLC.

Odor Source Identification

Odor emissions from wastewater treatment facilities are most commonly associated with the treatment processes, particularly in anaerobic environments where biological degradation produces gases such as hydrogen sulfide (H_2S), methane (CH_4), and ammonia (NH_3). Based on the treatment system design and previous studies, the potential odor sources at this facility are identified as follows:

A. Equalization Basin

The equalization basin, which serves as a temporary storage area for wastewater to balance flow rates, is one of the most critical components where odors could arise. The wastewater in the basin may undergo anaerobic conditions, especially when the basin is filled with organic material. These conditions can result in the release of hydrogen sulfide (H_2S) and other volatile organic compounds (VOCs). Though the basin is sealed with floating covers to prevent odor release, periods of high organic loading or poor aeration could lead to odor emissions if not adequately managed.

B. Digestion Tanks

The anaerobic digestion process used in the digestion tanks is a biological treatment method designed to break down organic solids. While the process is necessary for reducing the organic content of wastewater, it is also a significant potential source of odors. The digestion tanks may release gases such as H_2S , methane, and ammonia, particularly during high organic loading or if the tanks experience any operational disruptions. The Phase 1 and Phase 2 digestion tanks are integral to the treatment process and have been proven to produce minimal concentrations of odorous gases.

C. Moving Bed Biofilm Reactors (MBBRs)

MBBRs are designed to provide high-efficiency secondary treatment of wastewater. By promoting biological treatment in a highly controlled environment, these systems can reduce the formation of nuisance odors typically associated with secondary treatment processes. According to the study by Aqua Tech Systems, LLC, the MBBRs at this facility are expected to produce minimal odors. In fact, hydrogen sulfide was not detectable at a 50-meter radius from the reactors, which highlights the effectiveness of the MBBR technology in reducing odor emissions.

D. UV Reactors and Discharge Pipe

The ultraviolet (UV) reactors used for the disinfection of treated wastewater do not generally generate significant odors. However, in the event of poor disinfection or stagnation in the system, residual odors could be present in the outfall pipe. This is unlikely, but it is considered as part of the odor mitigation plan.

E. Piping and Force Main

Leaking pipes or poorly maintained force mains could potentially lead to the stagnation of wastewater and the creation of conditions that encourage the formation of odorous gases. This is more likely to occur if there is inadequate flow or pooling in the system. Regular maintenance and leak detection will ensure that the pipes remain in optimal working condition, minimizing any potential sources of odor.

Odor Control Measures

Given the identified odor sources, the facility will implement a variety of odor control measures, which include design modifications, operational strategies, and routine maintenance practices. These measures are aimed at containing odors, preventing their release, and ensuring the facility operates within established environmental standards.

A. Covering Tanks and Treatment Units

- **Floating Covers for Equalization Basin:** One option to reduce odors in the event levels are beyond the maximum required, the equalization basin could be fitted with an impermeable floating cover to prevent the release of odorous gases such as hydrogen sulfide (H₂S) and volatile organic compounds (VOCs). These covers will minimize the exposure of the wastewater to the atmosphere and significantly reduce the potential for odors.

C. Buffer Zones and Landscaping

- **Vegetative Buffer Zones:** A key component of the odor prevention strategy is the use of vegetative buffer zones. These areas, which will consist of dense vegetation such as trees and shrubs, will be strategically placed around the facility's boundary, particularly where the treatment process extends onto the properties of RSG Investments D LLC and ARR Real Estate LLC. The buffer will serve to absorb and deflect any residual odors, creating a natural barrier that helps to prevent odors from reaching neighboring properties.

- **Landscape Barriers:** In addition to vegetative buffers, landscape barriers such as berms or walls will be constructed to further protect neighboring properties from potential odors. These physical barriers will act as additional safeguards against odor migration and will be designed to blend in with the surrounding environment, offering both aesthetic and functional benefits.

Study Results and Data from Previous Studies

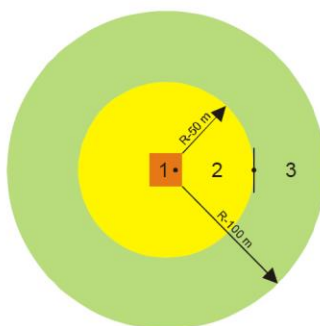
The odor control strategies outlined in this plan are based on data derived from previous studies, including the comprehensive odor and air quality analysis conducted by Aqua Tech Systems, LLC. This study was performed on a similar MBBR-based wastewater treatment system and provides critical data on expected emissions and odor control measures.

A. MBBR Performance

The study demonstrated that the MBBR system results in minimal odor emissions. Specifically, hydrogen sulfide (H₂S) was not detectable at a 50-meter radius from the reactor, indicating that the MBBR technology is effective at preventing the release of odorous gases. Furthermore, the system's design ensures that any potential odors produced during secondary treatment are efficiently managed through containment and odor control systems.

B. Emission Levels and Detection

- **Ammonia (NH₃):** Ammonia emissions at a 50-meter radius from the MBBRs were found to be well below detectable levels. This confirms that the MBBR system minimizes ammonia-related odors.
- **Nitrogen Dioxide (NO₂):** The study also measured nitrogen dioxide (NO₂) emissions and found them to be well below regulatory limits, further supporting the effectiveness of the odor control measures.
- **Sulfur Dioxide (SO₂):** The facility's odor control measures were shown to effectively remove sulfur compounds such as sulfur dioxide (SO₂), ensuring that emissions remain within acceptable limits.
- **Hydrogen Sulfide (H₂S):** Most importantly, the study confirmed that hydrogen sulfide (H₂S), a key compound responsible for odor generation, was not detectable at a 50-meter radius from the MBBR. This indicates that the odor control measures implemented at the plant, including air scrubbing and biofiltration, are highly effective.



Point 1 – above moving bed biofilm reactor (working area)

Emissions < MPCs¹ for working area

Point 2 – radius 50 m

Emissions < momentary MPCs* for residential area

Point 3 –radius 100 m

Emissions < daily average MPCs* for residential area

Table No. 1

No.	Analyzed substances	Units	Measurements points					
			Point 1 Above moving bed biofilm reactor		Point 2 R – 50 m		Point 3 R – 100 m	
			mea- sure- ments	MPCs for working area	measu- rements	momentary MPCs for residential area	mea- sure- ments	daily average MPCs for residential area
1.	Ammonia NH ₃	mg/m ³	5.5	6.7	0.08	0.2	n/d	0.2
2.	Nitrogen dioxide NO ₂	mg/m ³	0.6	0.67	0.07	0.085	0.06	0.085
3.	Sulphur dioxide SO ₂	mg/m ³	1.6	3.3	0.05	0.05	n/d	0.05
4.	Hydrogen sulphide H ₂ S	mg/m ³	1.1	3.3	n/d	0.008	n/d	0.008

n/d – not detected

Emergency Protocols

Despite the low likelihood of a major odor event, emergency protocols will be in place to address any unforeseen odor-related incidents. These protocols will ensure that the facility can respond quickly and effectively to mitigate any odor-related issues.

- **Odor Monitoring:** The facility will have a real-time odor monitoring system in place that continuously measures the concentration of key odorous compounds, including hydrogen sulfide (H₂S), ammonia (NH₃), and volatile organic compounds (VOCs). In the event of elevated odor concentrations, the monitoring system will trigger an alarm, prompting immediate action.

- **Emergency Response Plan:** The emergency response plan will include specific actions to address major odor releases, such as activating backup odor control systems, shutting down specific treatment units, or increasing aeration in affected areas. The plan will also include procedures for notifying nearby residents and regulatory authorities if odors exceed acceptable thresholds.

Conclusion

The Nuisance Odor Prevention Plan incorporates best practices and innovative odor control technologies to ensure that the wastewater treatment facility minimizes the impact of odors on neighboring properties. The data from previous studies, including the study conducted by Aqua Tech Systems, LLC, supports the effectiveness of the odor control measures, such as tank covers and vegetative buffers. Regular maintenance, continuous monitoring, and emergency response protocols will further ensure that the facility operates within the guidelines set forth by Texas TPDES. Through these comprehensive strategies, the facility will protect neighboring properties from nuisance odors and maintain a high level of operational efficiency and regulatory compliance.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #13 – SPIF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

A. Permittee: Charles Covey

Permit No. WQ00 _____

EPA ID No. TX _____

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

15860 State Hwy 160, Blue Ridge, TX 75424

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Charles

First and Last Name: Covey

Credential (P.E, P.G., Ph.D., etc.):

Title: President

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: 903-271-8907 Ext.: Fax No.:

E-mail Address: charles@landvestdev.com

1. List the county in which the facility is located: Collin
2. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The property is privately owned.

3. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Desert Creek to Pilot Grove Creek segment 0821.

4. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☒ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☒ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The project will involve moderate to minimal surface grading and site excavation to facilitate installation of utility lines. Total area to be impacted as a result of overall site development is approximately 65-acres. Site area impact as a direct result of WWTP and surface water discharge system is approximately 6,685-square feet. Average depth of utility lines installed ranges from 2.5 to 3.5 feet. There are no known caves or karst features on the property.

2. Describe existing disturbances, vegetation, and land use:

The site has been partially cleared of vegetation and some site grading has been performed. Land use is listed with the state as E (Rural Non-ag Land (Not Platted, Not In City)) Existing vegetation consists of open grass area with isolated areas of brush and trees.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

Construction is anticipated to begin in July, 2025 and continue through July, 2027.

4. Provide a brief history of the property, and name of the architect/builder, if known.

Historically, the property has been listed as rural, non-agricultural land. The property builder is LandVest, LLC.

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #14 – SPIF MAP

TPDES PERMIT APPLICATION - ACRES AT DESERT CREEK

ATTACHMENT #15 – NOTICE OF INTENT



April 4, 2025

Mr. Charles Covey
LandVest Partners, LLC
PO Box 1387
McKinney, Texas 75070

Re: Acres at Desert Creek

Dear Mr. Covey:

This letter agreement ("Agreement"), between Undine Texas, LLC ("Undine") or its designee, and LandVest Partners, LLC ("Developer") confirms our discussions concerning the proposed development ("Acres at Desert Creek") and expresses Undine's intent to provide retail public water and wastewater services to the proposed development located in Collin County. Our understanding is:

- The proposed residential development will consist of 524 single family connections;
- The proposed development will require easements and temporary land leases for water treatment and wastewater treatment facilities (to be converted to land deeds once plat resubmitted in final form);
- The preliminary plan, as of the date of this letter, is depicted in Exhibit A

Developer will

1. Be responsible for the design, engineering, and construction of the water distribution and sewer collection lines within the development, including all state and local permits and/or authorizations. Prior to the design submittal to the Texas Commission on Environmental Quality ("TCEQ"), Developer will consult with Undine, and Undine will have final engineering design input and approval before submittal to TCEQ.
2. Submit to TCEQ a TPDES permit application in the name of Undine ("Permit Application") and Developer. Developer will track and pay for all legal, publication, and other related costs associated with obtaining this discharge permit;
3. Be responsible for the design, engineering, and construction of the water treatment plant and wastewater treatment plant, including all state and local permits and/or authorizations. Prior to the design submittal to the Texas Commission on Environmental Quality ("TCEQ"), Developer will consult with Undine, and Undine will have final engineering design input and approval before submittal to TCEQ.

4. Be responsible for all additions to the water facility to provide fire protection with no reimbursement from Undine.
5. Temporarily lease (then Deed) to Undine one water plant site (parcel), mutually acceptable, with all applicable sanitary control and access easements.
6. Temporarily lease (then Deed) to Undine a wastewater treatment plant sized to accommodate, as mutually agreed upon, the proposed 524 connections, and additional land to accommodate additional capacity as needed by Developer.
7. Provide 3-Phase power to the future water treatment plant, wastewater treatment plant, and any lift stations.
8. Provide Undine with all easements necessary to own, operate, and maintain the water distribution system and wastewater collection system within the development.
9. Provide Undine with engineer approved as-built drawings, digital and hard copies, for the water distribution system and wastewater collection system.
10. Provide Undine with full access to the property and such other information deemed necessary by Undine during the engineering and construction phases of the development.
11. Not begin construction until all pertinent permits and governmental approvals have been received and easements secured, save for the discharge permit as other options could be utilized until permit obtained.
12. Be responsible for an operation charge of \$5,000/month until such time as there are 50 active connections (see "tapped" below) within the development.
13. Be responsible for maintenance and disposal of sludge from STEP Tanks, an asset of the Developer.

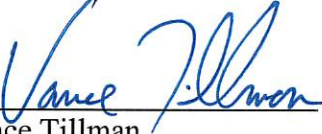
Undine will

1. Own and operate the Developer contributed assets for water and wastewater services.
2. Reimburse Developer for each lot "tapped" (whereby a lot is considered tapped once the utility receives a connection fee from the designated lot owner); the calculation for reimbursement will be determined by total contributions paid by Developer ("CIAC") to Undine (as of date of this letter, said amount would not exceed \$2,620,000) divided by actual number of total developable lots. So, for water and sewer total connections would be 1,048 (524x2). Undine will calculate amount owed to the Developer on a semi-annual basis, commencing on either the six months ended June 30 or six months ended December 31 after an initial tap. So, if project is completed in February 2026, the first semi-annual payment would be in July for the six months ended June 30, 2026. The reimbursement would expire five (5) years from date of initial tap. The Developer's reimbursement will not exceed total Developer CIAC (contributions) paid.
3. Submit to the TCEQ an application for a Certification of Convenience and Necessity for water and sewer.
4. Allow this contract to be assigned to a reputable entity, subject to Undine's diligence of said entity and upon written consent of Undine.

The terms of this Agreement will need to be formulated into an executed Developer Contract between the parties prior to Undine commitment to construction of the facilities required for said development.

If you are in agreement with the terms herein, execute, email a copy to Vance Tillman at vtillman@undinellc.com and Mike Ashfield at mashfield@undinellc.com. Please return the original to the attention of Vance Tillman at 17681 Telge Rd., Cypress, Texas 77429.

Very truly yours,



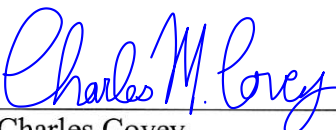
Vance Tillman
CFO
Undine Texas, LLC

cc: Jeff Goebel and Mike Ashfield (both with Undine)

LandVest Partners, LLC:

BY: Charles Covey

DATE: 04/07/2025



Charles Covey
President
LandVest Partners, LLC

Exhibit A

Preliminary Development Plan



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary as required by [Title 30, Texas Administrative Code \(30 TAC\), Chapter 39, Subchapter H](#). Applicants may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 TAC Section 39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS DOMESTIC WASTEWATER/STORMWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Landvest Development, LLC (2. Enter Customer Number here (i.e., CN6#####)) proposes to operate The Acres at Desert Creek wastewater treatment facility (5. Enter Regulated Entity Number here (i.e., RN1#####)), a secondary treatment wastewater system with UV disinfection. The facility will be located at 15774 HWY 160, in Blue Ridge, Collin County, Texas 75496. This application is for the approval to discharge at an annual average flow of 132,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain carbonaceous biochemical oxygen demand (CBOD), suspended solids (TSS), ammonia nitrogen (NH₃-N), nitrates (NO₃), and Escherichia coli. Maximum allowable concentrations and mass loads in the permit application package. Domestic wastewater will be treated by primary settling of solids and scum in baffled septic tanks at the residences, followed by underground digestion tanks at the treatment facility, falling into an equalization basin fitted with two, quadplex pump arrays dosing into a 4-train MBBR+SAF biological treatment reactor designed for simultaneous

organics reduction, nitrification and denitrification. The treated effluent will fall through a UV disinfection reactor designed and configured according to TAC 30.1.217.L.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Landvest Development, LLC (2. Introduzca el número de cliente aquí (es decir, CN6#####).) propone operar La planta de tratamiento de aguas residuales de Acres at Desert Creek 5. Introduzca el número de entidad regulada aquí (es decir, RN1#####), una sistema de tratamiento secundario de aguas residuales con desinfección UV. La instalación estará ubicada en 15774 HWY 160, en Blue Ridge, Condado de Collin, Texas 75496. Esta solicitud es para la aprobación para descargar a un flujo promedio anual de 132,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica carbonosa de oxígeno (CBOD), sólidos suspendidos (TSS), nitrógeno amoniacal (NH₃-N), nitratos (NO₃) y Escherichia coli. Concentraciones máximas permitidas y cargas másicas en el paquete de solicitud de permiso. Aguas residuales domésticas. estará tratado por tratados por sedimentación primaria de sólidos y escoria en tanques sépticos deflectores en las residencias, seguidos de tanques de digestión subterráneos en la instalación de tratamiento, cayendo en una cuenca de ecualización equipada con dos conjuntos de bombas cuádruples que dosifican en un reactor de tratamiento biológico MBBR+SAF de 4 trenes diseñado para la reducción, nitrificación y desnitrificación simultáneas de compuestos orgánicos. El efluente tratado caerá a través de un reactor de desinfección UV diseñado y configurado de acuerdo con TAC 30.1.217.L.

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WO-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example

Individual Industrial Wastewater Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as “previously monitored effluents” (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility’s potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
 Radioactive Material Licensing Underground Injection Control

Water Quality

 Texas Pollutant Discharge Elimination System (TPDES)
 Texas Land Application Permit (TLAP)
 State Only Concentrated Animal Feeding Operation (CAFO)
 Water Treatment Plant Residuals Disposal Permit
 Class B Biosolids Land Application Permit
 Domestic Septage Land Application Registration

Water Rights New Permit

 New Appropriation of Water
 New or existing reservoir

Amendment to an Existing Water Right

 Add a New Appropriation of Water
 Add a New or Existing Reservoir
 Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

Yes No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

Yes No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

Yes No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

Yes No

(e) If a public meeting is held, will a translator be provided if requested?

Yes No

(f) Hard copies of the application will be available at the following (check all that apply):

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

Yes No

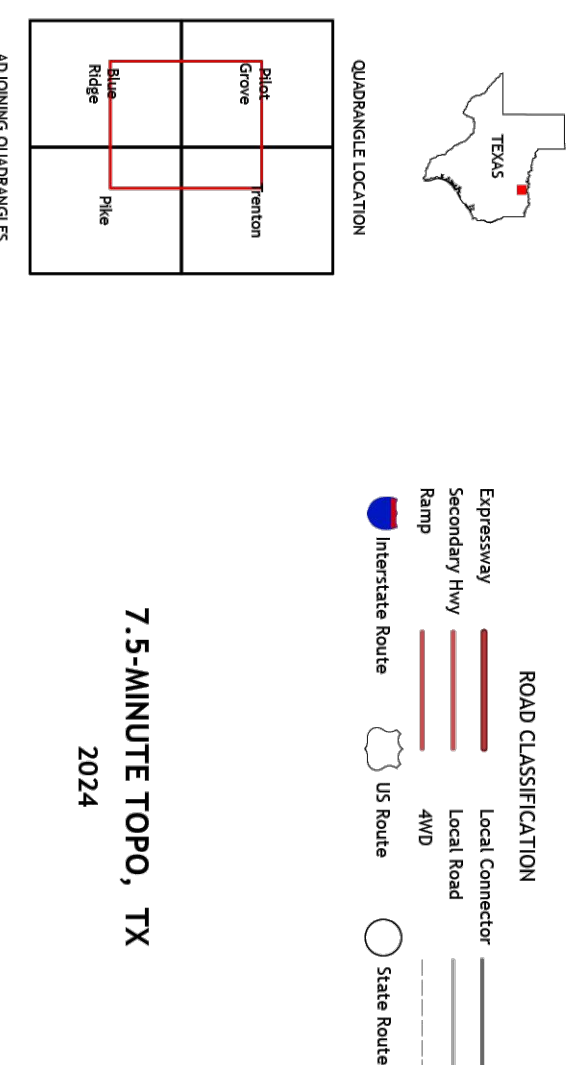
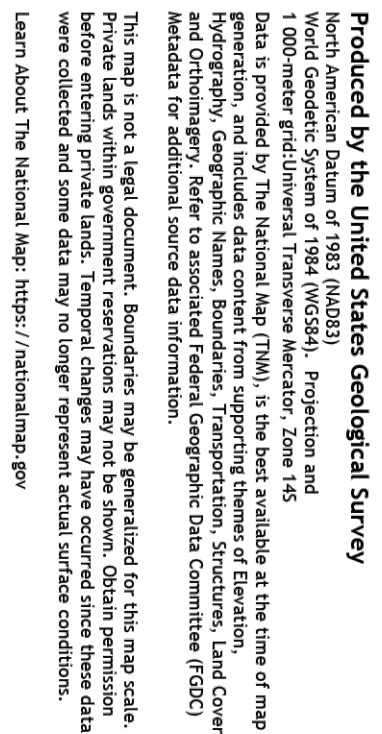
What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

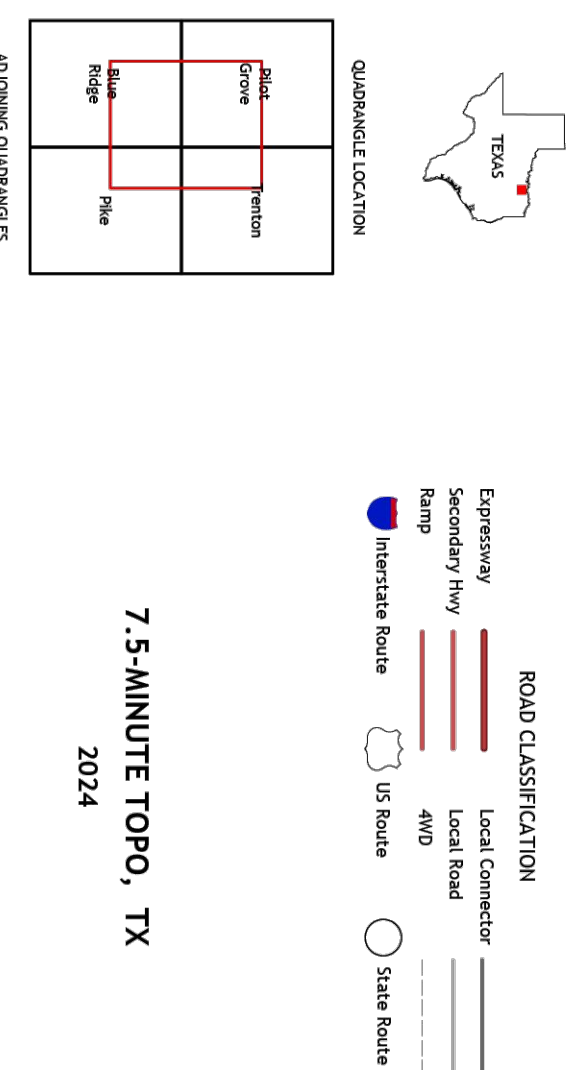
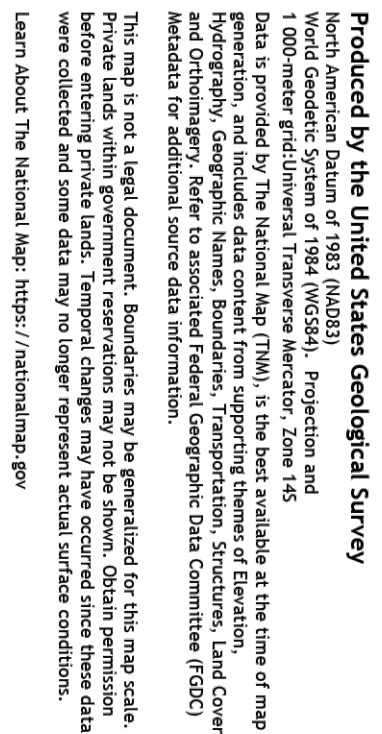


ACRES AT DESERT CREEK

USGS MAP

[illegible][illegible]

PROJECT NO.	SHEET NO.
M2315298.00	
DATE	
MARCH 2025	
SCALE	
AS NOTED	

[illegible]

PROJECT NO.	SHEET NO.
M2315298.00	
DATE	
MARCH 2025	
SCALE	
AS NOTED	

ACRES AT DESERT CREEK

PROPERTY INFORMATION

1. **Owner Name:** DESERT CREEK TEFFT HOLDINGS LLC

Mailing Address: PO BOX 1387

Mailing Address City: MCKINNEY

Mailing Address State: TX

Mailing Address Zip: 75070-8151

2. **Owner Name:** ARR REAL ESTATE LLC

Mailing Address: 8725 HAVANT LN

Mailing Address City: PLANO

Mailing Address State: TX

Mailing Address Zip: 75024-7288

3. **Owner Name:** RSG INVESTMENTS D LLC

Mailing Address: 489 FOREST RIDGE DR

Mailing Address City: COPPELL

Mailing Address State: TX

Mailing Address Zip: 75019-2043

4. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

5. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

6. **Owner Name:** RILEY DEREK BRANT

Mailing Address: 15165 STATE HIGHWAY 78 N

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2157

7. **Owner Name:** ALLEY ELFORD WAYNE

Mailing Address: 15280 STATE HIGHWAY 160

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2122

ACRES AT DESERT CREEK

PROPERTY INFORMATION

8. **Owner Name:** ALLEY ELFORD WAYNE &
Mailing Address: 15312 STATE HIGHWAY 160
Mailing Address City: BLUE RIDGE
Mailing Address State: TX
Mailing Address Zip: 75424-2123

9. **Owner Name:** PAZPAC LLC
Mailing Address: 11056 PANORAMA DR
Mailing Address City: FRISCO
Mailing Address State: TX
Mailing Address Zip: 75035-6818

DESERT CREEK TEFTHOLDINGS LLC
PO BOX 1387
MCKINNEY TX, 75070

ARR REAL ESTATE LLC
8725 HAVANT LN
PLANO, TX 75024

RSG INVESTMENTS D LLC
489 FOREST RIDGE DR
COPPELL, TX 75019

BLANTON MARILYN
9313 DAVID FORT RD
ARGYLE, TX 76226

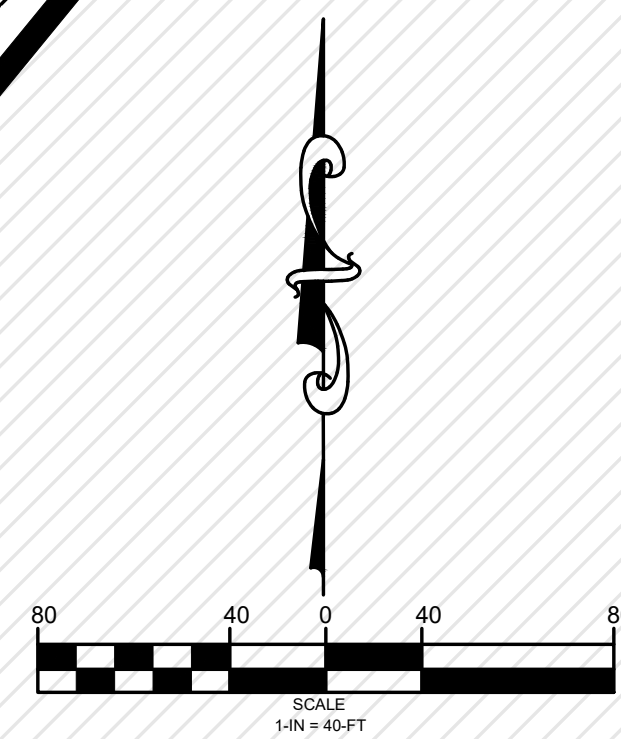
BLANTON MARILYN
9313 DAVID FORT RD
ARGYLE, TX 76226

RILEY DEREK BRANT
15165 STATE HIGHWAY 78 N
BLUE RIDGE, TX 75424

ALLEY ELFORD WAYNE
15280 STATE HIGHWAY 160
BLUE RIDGE, TX 75424

ALLEY ELFORD WAYNE
15312 STATE HIGHWAY 160
BLUE RIDGE, TX 75424

PAZPAC LLC
11056 PANORAMA DR
FRISCO, TX 75035



WWTP SITE PHOTOS'

[illegible]

PROJECT NO. M2315391.01	SHEET NO. 0
DATE MARCH 2025	
SCALE	
AS NOTED	

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

A. Permittee: Charles Covey

Permit No. WQ00

EPA ID No. TX

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

15860 State Hwy 160, Blue Ridge, TX 75424

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Charles

First and Last Name: Covey

Credential (P.E, P.G., Ph.D., etc.):

Title: President

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: 903-271-8907 Ext.: Fax No.:

E-mail Address: charles@landvestdev.com

1. List the county in which the facility is located: Collin
2. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The property is privately owned.

3. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Desert Creek to Pilot Grove Creek segment 0821.

4. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☒ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☒ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The project will involve moderate to minimal surface grading and site excavation to facilitate installation of utility lines. Total area to be impacted as a result of overall site development is approximately 65-acres. Site area impact as a direct result of WWTP and surface water discharge system is approximately 6,685-square feet. Average depth of utility lines installed ranges from 2.5 to 3.5 feet. There are no known caves or karst features on the property.

2. Describe existing disturbances, vegetation, and land use:

The site has been partially cleared of vegetation and some site grading has been performed. Land use is listed with the state as E (Rural Non-ag Land (Not Platted, Not In City)) Existing vegetation consists of open grass area with isolated areas of brush and trees.

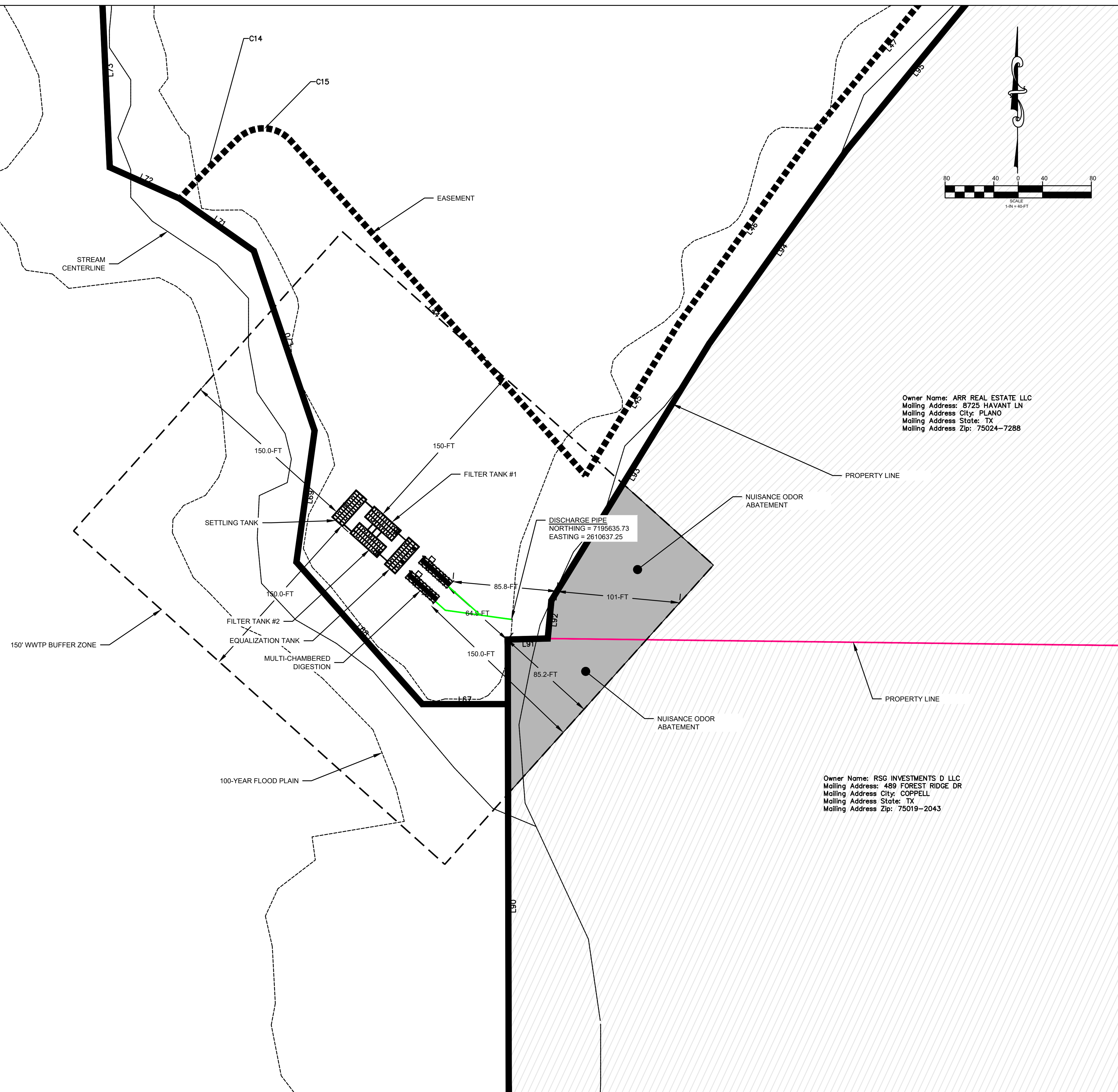
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

Construction is anticipated to begin in July, 2025 and continue through July, 2027.

4. Provide a brief history of the property, and name of the architect/builder, if known.

Historically, the property has been listed as rural, non-agricultural land. The property builder is LandVest, LLC.



ACRES AT DESERT CREEK

WWTP BUFFER ZONE

REG.
PROF. ENGINEER No.: 84992

[illegible]

PROJECT NO
M2315391.01
DATE
MARCH 2025
SCALE
AS NOTED

SHEET NO

0



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 43)

A. Existing/Interim I Phase

Design Flow (MGD): .065

2-Hr Peak Flow (MGD): .131

Estimated construction start date: 5/1/2025

Estimated waste disposal start date: 5/1/2026

B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): 0.131

2-Hr Peak Flow (MGD): 0.263

Estimated construction start date: 5/1/27

Estimated waste disposal start date: 5/1/27

D. Current Operating Phase

Provide the startup date of the facility: Facility is currently not constructed. Phase 1 estimated completion and operational date is 5/1/26

Attachment: Attachment 01 10054 Technical Report 1.0 Section 1

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided.**

Phase 1 - Primary treatment will be performed by a network of STEP systems throughout the development. The STEP network will convey the primarily treated wastewater to the WWTP via a force main. Pressurized, settled influent will enter two, 20,000-gallon (40,000 gallons total) precast concrete tanks in serial. The second 20,000 gallon tank will fitted with A100 Zabel filters at the outfall. Settled, digested, and filtered wastewater will gravity fall to a 20,000 gallon precast concrete equalization basin containing quadplex equalization pumps dosing at 2,827 gallons per hour over an 18-hour period to a 65,000 gpd moving bed biofilm reactor with a fixed-media submerged aeration filter clarifier at the end. Outfall from the treatment train will be via a 4" line through UV reactor fitted with two banks of four, 60" bulbs in serial, with UV intensity monitoring equipment and PLC controls, to 6" discharge pipe to the outfall location.

Final Phase- Primary treatment will be performed by a network of STEP systems throughout the development. The STEP network will convey the primarily treated wastewater to the WWTP via a force main. Pressurized, settled influent will join the influent pipe and into the 20,000-gallon precast concrete digestion tank installed in Phase 1. An additional 20,000-gallon digestion tank will be added behind this first digestion tank to accommodate the additional flow. This second digestion tank will be fitted with A100 Zabel filters. Settled, digested, and filtered wastewater will gravity fall to the Phase 1 20,000 gallon precast concrete equalization basin. A second quadplex equalization pump dosing at 2,827 gallons per hour over an 18-hour period will be added to feed a second 66,000 gpd moving bed biofilm reactor with a fixed-media submerged aeration filter clarifier at the end. Outfall from the treatment train enter a second UV reactor through a 4" line. The UV system will be fitted with two banks of four, 60" bulbs in serial, with UV intensity monitoring equipment and PLC controls. It will outfall through a 4" line that will join the 6" discharge pipe to the outfall location.

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of **each treatment unit, accounting for *all* phases of operation.**

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
STEP System for 1 EDU	160	134.2" x 61.7" x 54.5"
STEP System for 1 MDU	119	154" x 61.7" x 54.6"
20,000-gallon precast settling tank	3	30' x 12' x 9'4"
20,000-gallon precast equalization tank	1	30' x 12' x 9'4"
304 Stainless MBBR+SAF treatment reactor train	2	31'6" x 7'2" x 7'3"
UV Disinfection System	2	12' x 18" x 18"

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: Attachment 02 10054 Technical Report 1.0 Section 2

Section 3. Site Information and Drawing (Instructions Page 44)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 33°23'29.5903"
- Longitude: -096°23'45.3596"

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: N/A
- Longitude: N/A

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: Attachment 03_10054 Technical Report 1.0 Section 3 Sheet 1, Attachment 03_10054 Technical Report 1.0 Section 3 Sheet 2

Provide the name **and** a description of the area served by the treatment facility.

The treatment facility is located on a 95-acre site in rural Collin County, Texas, characterized by grassland with some brush and trees. It is designed to serve a development of 524 residential units in the area.

Collection System Information for wastewater TPDES permits only: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Force main collection system	Undine Texas Environmental, LLC	Privately Owned	1,320
Step tank collection system	Landvest Development, LLC	Privately Owned	1,320
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If **yes**, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☐ No

If **yes**, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.**

N/A

Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If **yes**, was a closure plan submitted to the TCEQ?

☐ Yes ☐ No

If **yes**, provide a brief description of the closure and the date of plan approval.

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If **yes**, provide the date(s) of approval for each phase: Exemption: There are no existing facilities.

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable.**

N/A, Applicant does not have existing permit.

B. Buffer zones

Have the buffer zone requirements been met?

☐ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

N/A, Applicant does not have existing permit.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☐ No

If **yes**, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

N/A, Applicant does not have existing permit.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

E. Stormwater management

1. Applicability

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☒ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☒ No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☒ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

N/A

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

N/A

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☒ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

N/A

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

N/A

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. [Click to enter text.](#)

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☐ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

Is the facility in operation?

☐ Yes ☒ No

If **no**, this section is not applicable. Proceed to Section 8.

If **yes**, provide effluent analysis data for the listed pollutants. **Wastewater treatment facilities** complete Table 1.0(2). **Water treatment facilities** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Contract Operations

Facility Operator's License Classification and Level: Contract Operations

Facility Operator's License Number: Contract Operations

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow >= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☒ Biosolids generator
- ☐ Biosolids end user - land application (onsite)
- ☐ Biosolids end user - surface disposal (onsite)
- ☐ Biosolids end user - incinerator (onsite)

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion

- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☒ Other Treatment Process: Septic Tank Effluent Pumping

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Third-Party Handler or Preparer	Not Applicable		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transport to another WWTP

D. Disposal site

Disposal site name: TBD

TCEQ permit or registration number: RN100757541

County where disposal site is located: Dallas County

E. Transportation method

Method of transportation (truck, train, pipe, other): Truck

Name of the hauler: Hazmat Environmental Services, Inc.

Hauler registration number: 24802

Sludge is transported as a:

Liquid ☒ semi-liquid ☐ semi-solid ☐ solid ☐

Attachment: Attachment 04 10054 Technical Report Section 9

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

Does the existing permit include authorization for land application of sewage sludge for beneficial use?

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge for beneficial use?

☐ Yes ☐ No

If **yes**, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting ☐ Yes ☒ No

Marketing and Distribution of sludge ☐ Yes ☒ No

Sludge Surface Disposal or Sludge Monofill ☐ Yes ☒ No

Temporary storage in sludge lagoons ☐ Yes ☒ No

If **yes** to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If **yes**, complete the remainder of this section. If **no**, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:
Attachment: N/A
- USDA Natural Resources Conservation Service Soil Map:
Attachment: N/A
- Federal Emergency Management Map:
Attachment: N/A
- Site map:
Attachment: N/A

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: N/A

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

N/A

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*.

Nitrate Nitrogen, mg/kg: N/A

Total Kjeldahl Nitrogen, mg/kg: N/A

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A

Phosphorus, mg/kg: N/A

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: N/A

Arsenic: N/A

Cadmium: N/A

Chromium: N/A

Copper: N/A

Lead: N/A

Mercury: N/A

Molybdenum: N/A

Nickel: N/A

Selenium: N/A

Zinc: N/A

Total PCBs: N/A

Provide the following information:

Volume and frequency of sludge to the lagoon(s): N/A

Total dry tons stored in the lagoons(s) per 365-day period: N/A

Total dry tons stored in the lagoons(s) over the life of the unit: N/A

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

N/A

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

N/A

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

Attachment: N/A

- Copy of the closure plan

Attachment: N/A

- Copy of deed recordation for the site

Attachment: N/A

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

Attachment: N/A

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: N/A

- Procedures to prevent the occurrence of nuisance conditions

Attachment: N/A

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☒ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: N/A

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

N/A

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If **yes** to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

N/A

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If **yes** to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*.

Printed Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Signature: _____

Date: _____

Attachment: [Attachment 05_10054 Technical Report 1.0 Section 14](#)

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 57)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

The proposed development will provide wastewater service to 524 residential units over the course of 3 years.

Attachment: Attachment 06_10054_Technical Report 1.1_Section 1

B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)¹.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☒ No ☐ Not Applicable

If **yes**, within the city limits of: Click to enter text.

If **yes**, attach correspondence from the city.

Attachment: Click to enter text.

¹ <https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater>

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: N/A

2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: N/A

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☐ Yes ☒ No

If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: N/A

If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: N/A

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: N/A

Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☒ No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD₅ Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): Click to enter text.

Provide the source of the average organic strength or BOD₅ concentration.

Click to enter text.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	.0439	320
Trailer park - transient		
Mobile home park	.0438	479
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other	.0003	239
TOTAL FLOW from all sources	.088	399
AVERAGE BOD ₅ from all sources	293lbs	

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15
Ammonia Nitrogen, mg/l: [Click to enter text.](#)
Total Phosphorus, mg/l: [Click to enter text.](#)
Dissolved Oxygen, mg/l: [Click to enter text.](#)
Other: [Click to enter text.](#)

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10
Total Suspended Solids, mg/l: 15
Ammonia Nitrogen, mg/l: [Click to enter text.](#)
Total Phosphorus, mg/l: [Click to enter text.](#)
Dissolved Oxygen, mg/l: [Click to enter text.](#)
Other: [Click to enter text.](#)

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10
Total Suspended Solids, mg/l: 15
Ammonia Nitrogen, mg/l: [Click to enter text.](#)
Total Phosphorus, mg/l: [Click to enter text.](#)
Dissolved Oxygen, mg/l: [Click to enter text.](#)
Other: [Click to enter text.](#)

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: [Click to enter text.](#) mg/l after [Click to enter text.](#) minutes detention time at peak flow

Dechlorination process: [Click to enter text.](#)

☒ Ultraviolet Light: 9.12 seconds contact time at peak flow

☐ Other: [Click to enter text.](#)

Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: [Attachment 06 10054 Technical Report 1.1 Section 1](#)

Section 5. Facility Site (Instructions Page 60)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If **no**, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Refer to Attachment 03_10054_Technical Report 1.0_Section 3_Sheet 2

Provide the source(s) used to determine 100-year frequency flood plain.

Federal Emergency Management Agency

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If **yes**, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

B. Wind rose

Attach a wind rose: [Attachment 07_10054_Technical Report 1.1_Section 5](#)

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If **yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: [N/A](#)

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

- ☐ Sludge Composting
- ☐ Marketing and Distribution of sludge
- ☐ Sludge Surface Disposal or Sludge Monofill

If **any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

Attachment: Attachment 04 10054 Technical Report 1.0 Section 9

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

Attach a USGS map that identifies the location of the intake.

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from outfall(s).

[Click to enter text.](#)

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s).

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Desert Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☒ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet:
Click to enter text.

- ☐ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: Click to enter text.

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

- ☒ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☒ Personal observation
- ☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

None

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☐ Yes ☒ No

If yes, discuss how.

[Click to enter text.](#)

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

Creek is dry

Date and time of observation: 2:26 PM on November 11th, 2024

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☒ Agricultural runoff

☒ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input checked="" type="checkbox"/> Other(s), specify: <u>No uses observed</u> |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☒ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

Required for new applications, major facilities, and applications adding an outfall.

Worksheet 2.1 is not required for discharges to intermittent streams or discharges directly to (or within 300 feet of) a classified segment.

Section 1. General Information (Instructions Page 66)

Date of study: [Click to enter text.](#) Time of study: [Click to enter text.](#)

Stream name: [Click to enter text.](#)

Location: [Click to enter text.](#)

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☐ Perennial ☐ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 66)

Number of stream bends that are well defined: [Click to enter text.](#)

Number of stream bends that are moderately defined: [Click to enter text.](#)

Number of stream bends that are poorly defined: [Click to enter text.](#)

Number of riffles: [Click to enter text.](#)

Evidence of flow fluctuations (check one):

☐ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

[Click to enter text.](#)

Stream transects

In the table below, provide the following information for each transect downstream of the existing or proposed discharges. Use a separate row for each transect.

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: [Click to enter text.](#)

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): [Click to enter text.](#)

Length of stream evaluated, in feet: [Click to enter text.](#)

Number of lateral transects made: [Click to enter text.](#)

Average stream width, in feet: [Click to enter text.](#)

Average stream depth, in feet: [Click to enter text.](#)

Average stream velocity, in feet/second: [Click to enter text.](#)

Instantaneous stream flow, in cubic feet/second: [Click to enter text.](#)

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): [Click to enter text.](#)

Size of pools (large, small, moderate, none): [Click to enter text.](#)

Maximum pool depth, in feet: [Click to enter text.](#)

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

The following is required for renewal, new, and amendment permit applications.

Section 1. Type of Disposal System (Instructions Page 68)

Identify the method of land disposal:

- | | |
|---|--|
| <input type="checkbox"/> Surface application | <input type="checkbox"/> Subsurface application |
| <input type="checkbox"/> Irrigation | <input type="checkbox"/> Subsurface soils absorption |
| <input type="checkbox"/> Drip irrigation system | <input type="checkbox"/> Subsurface area drip dispersal system |
| <input type="checkbox"/> Evaporation | <input type="checkbox"/> Evapotranspiration beds |
| <input type="checkbox"/> Other (describe in detail): Click to enter text. | |

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: [Click to enter text.](#)

Section 2. Land Application Site(s) (Instructions Page 68)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 68)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: [Click to enter text.](#)

Section 4. Flood and Runoff Protection (Instructions Page 68)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☐ No

If yes, describe how the site will be protected from inundation.

[Click to enter text.](#)

Provide the source used to determine the 100-year frequency flood level:

[Click to enter text.](#)

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

[Click to enter text.](#)

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:** [Click to enter text.](#)

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 69)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment:** [Click to enter text.](#)

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: [Click to enter text.](#)

Section 7. Groundwater Quality (Instructions Page 69)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: [Click to enter text.](#)

Are groundwater monitoring wells available onsite? ☐ Yes ☐ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☐ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: [Click to enter text.](#)

Section 8. Soil Map and Soil Analyses (Instructions Page 70)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: [Click to enter text.](#)

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note:** for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: [Click to enter text.](#)

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☐ Yes ☒ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

[illegible]

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.1: SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment permit applications. Renewal and minor amendment permit applications may be asked for this worksheet on a case by case basis.

Section 1. Surface Disposal (Instructions Page 72)

Complete the item that applies for the method of disposal being used.

A. Irrigation

Area under irrigation, in acres: [Click to enter text.](#)

Design application frequency:

hours/day [Click to enter text.](#) And days/week [Click to enter text.](#)

Land grade (slope):

average percent (%): [Click to enter text.](#)

maximum percent (%): [Click to enter text.](#)

Design application rate in acre-feet/acre/year: [Click to enter text.](#)

Design total nitrogen loading rate, in lbs N/acre/year: [Click to enter text.](#)

Soil conductivity (mmhos/cm): [Click to enter text.](#)

Method of application: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.

Attachment: [Click to enter text.](#)

B. Evaporation ponds

Daily average effluent flow into ponds, in gallons per day: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations.

Attachment: [Click to enter text.](#)

C. Evapotranspiration beds

Number of beds: [Click to enter text.](#)

Area of bed(s), in acres: [Click to enter text.](#)

Depth of bed(s), in feet: [Click to enter text.](#)

Void ratio of soil in the beds: [Click to enter text.](#)

Storage volume within the beds, in acre-feet: [Click to enter text.](#)

Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.

Attachment: [Click to enter text.](#)

D. Overland flow

Area used for application, in acres: [Click to enter text.](#)

Slopes for application area, percent (%): [Click to enter text.](#)

Design application rate, in gpm/foot of slope width: [Click to enter text.](#)

Slope length, in feet: [Click to enter text.](#)

Design BOD₅ loading rate, in lbs BOD₅/acre/day: [Click to enter text.](#)

Design application frequency:

hours/day: [Click to enter text.](#) **And** days/week: [Click to enter text.](#)

Attach a separate engineering report with the method of application and design requirements according to *30 TAC Chapter 217*.

Attachment: [Click to enter text.](#)

Section 2. Edwards Aquifer (Instructions Page 73)

Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **yes**, is the facility located on the Edwards Aquifer Recharge Zone?

☐ Yes ☐ No

If **yes**, attach a geological report addressing potential recharge features.

Attachment: [Click to enter text.](#)

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.2: SURFACE LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal **MUST** complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **does not meet** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System*.

Section 1. Subsurface Application (Instructions Page 74)

Identify the type of system:

- ☐ Conventional Gravity Drainfield, Beds, or Trenches (new systems must be less than 5,000 GPD)
- ☐ Low Pressure Dosing
- ☐ Other, specify: [Click to enter text.](#)

Application area, in acres: [Click to enter text.](#)

Area of drainfield, in square feet: [Click to enter text.](#)

Application rate, in gal/square foot/day: [Click to enter text.](#)

Depth to groundwater, in feet: [Click to enter text.](#)

Area of trench, in square feet: [Click to enter text.](#)

Dosing duration per area, in hours: [Click to enter text.](#)

Number of beds: [Click to enter text.](#)

Dosing amount per area, in inches/day: [Click to enter text.](#)

Infiltration rate, in inches/hour: [Click to enter text.](#)

Storage volume, in gallons: [Click to enter text.](#)

Area of bed(s), in square feet: [Click to enter text.](#)

Soil Classification: [Click to enter text.](#)

Attach a separate engineering report with the information required in *30 TAC § 309.20*, excluding the requirements of *§ 309.20 b(3)(A)* and *(B)* design analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.

Attachment: [Click to enter text.](#)

Section 2. Edwards Aquifer (Instructions Page 74)

Is the subsurface system over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

- ☐ Yes ☐ No

Is the subsurface system over the Edwards Aquifer Transition Zone as mapped by TCEQ?

- ☐ Yes ☐ No

If yes to either question, the subsurface system may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL (SADDS) LAND DISPOSAL OF EFFLUENT

The following **is required** for **new and major amendment** subsurface area drip dispersal system permit applications. Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

NOTE: All applicants proposing new/amended subsurface disposal **MUST** complete and submit Worksheet 7.0. This worksheet applies to any subsurface disposal system that **meets** the definition of a subsurface area drip dispersal system as defined in *30 TAC Chapter 222, Subsurface Area Drip Dispersal System*.

Section 1. Administrative Information (Instructions Page 75)

A. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility:

B. Click to enter text. Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the treatment facility is located.

Click to enter text.

C. Owner of the subsurface area drip dispersal system: Click to enter text.

D. Is the owner of the subsurface area drip dispersal system the same as the owner of the wastewater treatment facility or the site where the wastewater treatment facility is located?

☐ Yes ☐ No

If **no**, identify the names of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.C.

Click to enter text.

E. Owner of the land where the subsurface area drip dispersal system is located: Click to enter text.

F. Is the owner of the land where the subsurface area drip dispersal system is located the same as owner of the wastewater treatment facility, the site where the wastewater treatment facility is located, or the owner of the subsurface area drip dispersal system?

☐ Yes ☐ No

If **no**, identify the name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.E.

Click to enter text.

Section 2. Subsurface Area Drip Dispersal System (Instructions Page 75)

A. Type of system

- ☐ Subsurface Drip Irrigation
- ☐ Surface Drip Irrigation
- ☐ Other, specify: [Click to enter text.](#)

B. Irrigation operations

Application area, in acres: [Click to enter text.](#)

Infiltration Rate, in inches/hour: [Click to enter text.](#)

Average slope of the application area, percent (%): [Click to enter text.](#)

Maximum slope of the application area, percent (%): [Click to enter text.](#)

Storage volume, in gallons: [Click to enter text.](#)

Major soil series: [Click to enter text.](#)

Depth to groundwater, in feet: [Click to enter text.](#)

C. Application rate

Is the facility located **west** of the boundary shown in *30 TAC § 222.83* **and** also using a vegetative cover of non-native grasses over seeded with cool season grasses during the winter months (October-March)?

☐ Yes ☐ No

If **yes**, then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.

Is the facility located **east** of the boundary shown in *30 TAC § 222.83* **or** in any part of the state when the vegetative cover is any crop other than non-native grasses?

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC §222.83* to calculate the maximum hydraulic application rate.

Do you plan to submit an alternative method to calculate the hydraulic application rate for approval by the executive director?

☐ Yes ☐ No

Hydraulic application rate, in gal/square foot/day: [Click to enter text.](#)

Nitrogen application rate, in lbs/gal/day: [Click to enter text.](#)

D. Dosing information

Number of doses per day: [Click to enter text.](#)

Dosing duration per area, in hours: [Click to enter text.](#)

Rest period between doses, in hours: [Click to enter text.](#)

Dosing amount per area, in inches/day: [Click to enter text.](#)

Number of zones: [Click to enter text.](#)

Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?

☐ Yes ☐ No

If **yes**, provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a pre-application meeting.

Attachment: [Click to enter text.](#)

Section 3. Required Plans (Instructions Page 75)

A. Recharge feature plan

Attach a Recharge Feature Plan with all information required in *30 TAC §222.79*.

Attachment: [Click to enter text.](#)

B. Soil evaluation

Attach a Soil Evaluation with all information required in *30 TAC §222.73*.

Attachment: [Click to enter text.](#)

C. Site preparation plan

Attach a Site Preparation Plan with all information required in *30 TAC §222.75*.

Attachment: [Click to enter text.](#)

D. Soil sampling/testing

Attach soil sampling and testing that includes all information required in *30 TAC §222.157*.

Attachment: [Click to enter text.](#)

Section 4. Floodway Designation (Instructions Page 76)

A. Site location

Is the existing/proposed land application site within a designated floodway?

☐ Yes ☐ No

B. Flood map

Attach either the FEMA flood map or alternate information used to determine the floodway.

Attachment: [Click to enter text.](#)

Section 5. Surface Waters in the State (Instructions Page 76)

A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

Attachment: [Click to enter text.](#)

B. Buffer variance request

Do you plan to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If **yes**, then attach the additional information required in *30 TAC § 222.81(c)*.

Attachment: [Click to enter text.](#)

Section 6. Edwards Aquifer (Instructions Page 76)

A. Is the SADDs located over the Edwards Aquifer Recharge Zone as mapped by TCEQ?

☐ Yes ☐ No

B. Is the SADDs located over the Edwards Aquifer Transition Zone as mapped by TCEQ?

☐ Yes ☐ No

If **yes to either question**, then the SADDs may be prohibited by *30 TAC §213.8*. Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: POLLUTANT ANALYSIS REQUIREMENTS

The following **is required** for facilities with a permitted or proposed flow of **1.0 MGD or greater**, facilities with an approved **pretreatment** program, or facilities classified as a **major** facility. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Toxic Pollutants (Instructions Page 78)

For pollutants identified in Table 4.0(1), indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(1) – Toxics Analysis

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrylonitrile				50
Aldrin				0.01
Aluminum				2.5
Anthracene				10
Antimony				5
Arsenic				0.5
Barium				3
Benzene				10
Benzidine				50
Benzo(a)anthracene				5
Benzo(a)pyrene				5
Bis(2-chloroethyl)ether				10
Bis(2-ethylhexyl)phthalate				10
Bromodichloromethane				10
Bromoform				10
Cadmium				1
Carbon Tetrachloride				2
Carbaryl				5
Chlordane*				0.2
Chlorobenzene				10
Chlorodibromomethane				10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Chloroform				10
Chlorpyrifos				0.05
Chromium (Total)				3
Chromium (Tri) (*1)				N/A
Chromium (Hex)				3
Copper				2
Chrysene				5
p-Chloro-m-Cresol				10
4,6-Dinitro-o-Cresol				50
p-Cresol				10
Cyanide (*2)				10
4,4'- DDD				0.1
4,4'- DDE				0.1
4,4'- DDT				0.02
2,4-D				0.7
Demeton (O and S)				0.20
Diazinon				0.5/0.1
1,2-Dibromoethane				10
m-Dichlorobenzene				10
o-Dichlorobenzene				10
p-Dichlorobenzene				10
3,3'-Dichlorobenzidine				5
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
Dichloromethane				20
1,2-Dichloropropane				10
1,3-Dichloropropene				10
Dicofol				1
Dieldrin				0.02
2,4-Dimethylphenol				10
Di-n-Butyl Phthalate				10
Diuron				0.09
Endosulfan I (alpha)				0.01

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Endosulfan II (beta)				0.02
Endosulfan Sulfate				0.1
Endrin				0.02
Ethylbenzene				10
Fluoride				500
Guthion				0.1
Heptachlor				0.01
Heptachlor Epoxide				0.01
Hexachlorobenzene				5
Hexachlorobutadiene				10
Hexachlorocyclohexane (alpha)				0.05
Hexachlorocyclohexane (beta)				0.05
gamma-Hexachlorocyclohexane (Lindane)				0.05
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Hexachlorophene				10
Lead				0.5
Malathion				0.1
Mercury				0.005
Methoxychlor				2
Methyl Ethyl Ketone				50
Mirex				0.02
Nickel				2
Nitrate-Nitrogen				100
Nitrobenzene				10
N-Nitrosodiethylamine				20
N-Nitroso-di-n-Butylamine				20
Nonylphenol				333
Parathion (ethyl)				0.1
Pentachlorobenzene				20
Pentachlorophenol				5
Phenanthrene				10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Polychlorinated Biphenyls (PCB's) (*3)				0.2
Pyridine				20
Selenium				5
Silver				0.5
1,2,4,5-Tetrachlorobenzene				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
Thallium				0.5
Toluene				10
Toxaphene				0.3
2,4,5-TP (Silvex)				0.3
Tributyltin (see instructions for explanation)				0.01
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
2,4,5-Trichlorophenol				50
TTHM (Total Trihalomethanes)				10
Vinyl Chloride				10
Zinc				5

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable.

(*3) The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

Section 2. Priority Pollutants

For pollutants identified in Tables 4.0(2)A-E, indicate type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(2)A – Metals, Cyanide, and Phenols

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Antimony				5
Arsenic				0.5
Beryllium				0.5
Cadmium				1
Chromium (Total)				3
Chromium (Hex)				3
Chromium (Tri) (*1)				N/A
Copper				2
Lead				0.5
Mercury				0.005
Nickel				2
Selenium				5
Silver				0.5
Thallium				0.5
Zinc				5
Cyanide (*2)				10
Phenols, Total				10

(*1) Determined by subtracting hexavalent Cr from total Cr.

(*2) Cyanide, amenable to chlorination or weak-acid dissociable

Table 4.0(2)B – Volatile Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acrolein				50
Acrylonitrile				50
Benzene				10
Bromoform				10
Carbon Tetrachloride				2
Chlorobenzene				10
Chlorodibromomethane				10
Chloroethane				50
2-Chloroethylvinyl Ether				10
Chloroform				10
Dichlorobromomethane [Bromodichloromethane]				10
1,1-Dichloroethane				10
1,2-Dichloroethane				10
1,1-Dichloroethylene				10
1,2-Dichloropropane				10
1,3-Dichloropropylene [1,3-Dichloropropene]				10
1,2-Trans-Dichloroethylene				10
Ethylbenzene				10
Methyl Bromide				50
Methyl Chloride				50
Methylene Chloride				20
1,1,2,2-Tetrachloroethane				10
Tetrachloroethylene				10
Toluene				10
1,1,1-Trichloroethane				10
1,1,2-Trichloroethane				10
Trichloroethylene				10
Vinyl Chloride				10

Table 4.0(2)C – Acid Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
2-Chlorophenol				10
2,4-Dichlorophenol				10
2,4-Dimethylphenol				10
4,6-Dinitro-o-Cresol				50
2,4-Dinitrophenol				50
2-Nitrophenol				20
4-Nitrophenol				50
P-Chloro-m-Cresol				10
Pentalchlorophenol				5
Phenol				10
2,4,6-Trichlorophenol				10

Table 4.0(2)D – Base/Neutral Compounds

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Acenaphthene				10
Acenaphthylene				10
Anthracene				10
Benzidine				50
Benzo(a)Anthracene				5
Benzo(a)Pyrene				5
3,4-Benzofluoranthene				10
Benzo(ghi)Perylene				20
Benzo(k)Fluoranthene				5
Bis(2-Chloroethoxy)Methane				10
Bis(2-Chloroethyl)Ether				10
Bis(2-Chloroisopropyl)Ether				10
Bis(2-Ethylhexyl)Phthalate				10
4-Bromophenyl Phenyl Ether				10
Butyl benzyl Phthalate				10
2-Chloronaphthalene				10
4-Chlorophenyl phenyl ether				10
Chrysene				5
Dibenzo(a,h)Anthracene				5
1,2-(o)Dichlorobenzene				10
1,3-(m)Dichlorobenzene				10
1,4-(p)Dichlorobenzene				10
3,3-Dichlorobenzidine				5
Diethyl Phthalate				10
Dimethyl Phthalate				10
Di-n-Butyl Phthalate				10
2,4-Dinitrotoluene				10
2,6-Dinitrotoluene				10
Di-n-Octyl Phthalate				10
1,2-Diphenylhydrazine (as Azo- benzene)				20
Fluoranthene				10

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Fluorene				10
Hexachlorobenzene				5
Hexachlorobutadiene				10
Hexachlorocyclo-pentadiene				10
Hexachloroethane				20
Indeno(1,2,3-cd)pyrene				5
Isophorone				10
Naphthalene				10
Nitrobenzene				10
N-Nitrosodimethylamine				50
N-Nitrosodi-n-Propylamine				20
N-Nitrosodiphenylamine				20
Phenanthrene				10
Pyrene				10
1,2,4-Trichlorobenzene				10

Table 4.0(2)E - Pesticides

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (µg/l)
Aldrin				0.01
alpha-BHC (Hexachlorocyclohexane)				0.05
beta-BHC (Hexachlorocyclohexane)				0.05
gamma-BHC (Hexachlorocyclohexane)				0.05
delta-BHC (Hexachlorocyclohexane)				0.05
Chlordane				0.2
4,4-DDT				0.02
4,4-DDE				0.1
4,4,-DDD				0.1
Dieldrin				0.02
Endosulfan I (alpha)				0.01
Endosulfan II (beta)				0.02
Endosulfan Sulfate				0.1
Endrin				0.02
Endrin Aldehyde				0.1
Heptachlor				0.01
Heptachlor Epoxide				0.01
PCB-1242				0.2
PCB-1254				0.2
PCB-1221				0.2
PCB-1232				0.2
PCB-1248				0.2
PCB-1260				0.2
PCB-1016				0.2
Toxaphene				0.3

* For PCBs, if all are non-detects, enter the highest non-detect preceded by a "<".

Section 3. Dioxin/Furan Compounds

A. Indicate which of the following compounds from may be present in the influent from a contributing industrial user or significant industrial user. Check all that apply.

- ☐ 2,4,5-trichlorophenoxy acetic acid
Common Name 2,4,5-T, CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid
Common Name Silvex or 2,4,5-TP, CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate
Common Name Erbon, CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate
Common Name Ronnel, CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol
Common Name TCP, CASRN 95-95-4
- ☐ hexachlorophene
Common Name HCP, CASRN 70-30-4

For each compound identified, provide a brief description of the conditions of its/their presence at the facility.

[Click to enter text.](#)

B. Do you know or have any reason to believe that 2,3,7,8 Tetrachlorodibenzo-P-Dioxin (TCDD) or any congeners of TCDD may be present in your effluent?

☐ Yes ☐ No

If **yes**, provide a brief description of the conditions for its presence.

[Click to enter text.](#)

C. If any of the compounds in Subsection A **or** B are present, complete Table 4.0(2)F.

For pollutants identified in Table 4.0(2)F, indicate the type of sample.

Grab ☐ Composite ☐

Date and time sample(s) collected: [Click to enter text.](#)

Table 4.0(2)F – Dioxin/Furan Compounds

Compound	Toxic Equivalenc y Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
2,3,7,8 TCDD	1					10
1,2,3,7,8 PeCDD	0.5					50
2,3,7,8 HxCDDs	0.1					50
1,2,3,4,6,7,8 HpCDD	0.01					50
2,3,7,8 TCDF	0.1					10
1,2,3,7,8 PeCDF	0.05					50
2,3,4,7,8 PeCDF	0.5					50
2,3,7,8 HxCDFs	0.1					50
2,3,4,7,8 HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 5.0: TOXICITY TESTING REQUIREMENTS

The following **is required** for facilities with a current operating design flow of **1.0 MGD or greater**, with an EPA-approved **pretreatment** program (or those required to have one under 40 CFR Part 403), or are required to perform Whole Effluent Toxicity testing. See instructions for further details.

This worksheet is not required minor amendments without renewal.

Section 1. Required Tests (Instructions Page 88)

Indicate the number of 7-day chronic or 48-hour acute Whole Effluent Toxicity (WET) tests performed in the four and one-half years prior to submission of the application.

7-day Chronic: [Click to enter text.](#)

48-hour Acute: [Click to enter text.](#)

Section 2. Toxicity Reduction Evaluations (TREs)

Has this facility completed a TRE in the past four and a half years? Or is the facility currently performing a TRE?

☐ Yes ☐ No

If yes, describe the progress to date, if applicable, in identifying and confirming the toxicant.

[Click to enter text.](#)

Section 3. Summary of WET Tests

If the required biomonitoring test information has not been previously submitted via both the Discharge Monitoring Reports (DMRs) and the Table 1 (as found in the permit), provide a summary of the testing results for all valid and invalid tests performed over the past four and one-half years. Make additional copies of this table as needed.

Table 5.0(1) Summary of WET Tests

Test Date	Test Species	NOEC Survival	NOEC Sub-lethal

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs - non-categorical, and Other IUs.

If there are no users, enter 0 (zero).

Categorical IUs:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

Significant IUs - non-categorical:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

Other IUs:

Number of IUs: [Click to enter text.](#)

Average Daily Flows, in MGD: [Click to enter text.](#)

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☐ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

[Click to enter text.](#)

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☐ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

[Click to enter text.](#)

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☐ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☐ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

E. Service Area Map

Attach a map indicating the service area of the POTW. The map should include the applicant's service area boundaries and the location of any known industrial users discharging to the POTW. Please see the instructions for guidance.

Attachment: [Click to enter text.](#)

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW's effluent monitoring during the last three years. Submit an attachment if necessary.

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Telephone number: [Click to enter text.](#)

Email address: [Click to enter text.](#)

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

Click to enter text.

C. Product and service information

Provide a description of the principal product(s) or services performed.

Click to enter text.

D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

Category: [Click to enter text.](#)

Subcategories: [Click to enter text.](#)

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

[Click to enter text.](#)

WORKSHEET 7.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only
Reg. No. _____
Date Received _____
Date Authorized _____

Section 1. General Information (Instructions Page 92)

1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): [Click to enter text.](#)

Program ID: [Click to enter text.](#)

Contact Name: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

2. Agent/Consultant Contact Information

Contact Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: [Click to enter text.](#)

Contact Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

4. Facility Contact Information

Facility Name: [Click to enter text.](#)

Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Location description (if no address is available): [Click to enter text.](#)

Facility Contact Person: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

5. **Latitude and Longitude, in degrees-minutes-seconds**

Latitude: [Click to enter text.](#)

Longitude: [Click to enter text.](#)

Method of determination (GPS, TOPO, etc.): [Click to enter text.](#)

Attach topographic quadrangle map as attachment A.

6. **Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: [Click to enter text.](#)

Number of Injection Wells: [Click to enter text.](#)

7. **Purpose**

Detailed Description regarding purpose of Injection System:

[Click to enter text.](#)

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

Water Well Driller/Installer Name: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#)

License Number: [Click to enter text.](#)

Section 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Table 7.0(1) – Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Cement	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Section 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: [Click to enter text.](#)

System(s) Construction: [Click to enter text.](#)

Section 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: [Click to enter text.](#)
2. Receiving Formation Name of Injection Zone: [Click to enter text.](#)
3. Well/Trench Total Depth: [Click to enter text.](#)
4. Surface Elevation: [Click to enter text.](#)
5. Depth to Ground Water: [Click to enter text.](#)
6. Injection Zone Depth: [Click to enter text.](#)
7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No
Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:
Name: [Click to enter text.](#)
Thickness: [Click to enter text.](#)
8. Provide a list of contaminants and the levels (ppm) in contaminated aquifer
Attach as Attachment E.
9. Horizontal and Vertical extent of contamination and injection plume
Attach as Attachment F.
10. Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.
Attach as Attachment G.
11. Injection Fluid Chemistry in PPM at point of injection
Attach as Attachment H.
12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: [Click to enter text.](#)
13. Maximum injection Rate/Volume/Pressure: [Click to enter text.](#)
14. Water wells within 1/4 mile radius (attach map as Attachment I): [Click to enter text.](#)
15. Injection wells within 1/4 mile radius (attach map as Attachment J): [Click to enter text.](#)
16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): [Click to enter text.](#)
17. Sampling frequency: [Click to enter text.](#)
18. Known hazardous components in injection fluid: [Click to enter text.](#)

Section 5. Site History

1. Type of Facility: [Click to enter text.](#)
2. Contamination Dates: [Click to enter text.](#)
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations (attach as Attachment L): [Click to enter text.](#)
4. Previous Remediation (attach results of any previous remediation as attachment M): [Click to enter text.](#)

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Class V Injection Well Designations

- 5A07 Heat Pump/AC return (IW used for groundwater to heat and/or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Storm Water Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by ground water withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTP disposal
- 5W20 Industrial Process Waste Disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, and/or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste Disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

Acres at Desert Creek - Phase 1 Flow and Loading

Source	Unit	Design Flow	Number of Units	Source Total	lbs BOD/unit	lbs BOD total	lbs N/unit	lbs N total	BOD in mg/L	TKN in mg/L	C1	N1	Item Flow	Total liters	Total MG BOD
Mobile Home G	Person	50	441	22050	0.2	88.2	0.0333	14.69	479	79	4000	666	0.022	83468	39981330
Duplexes	Person	75	285	21375	0.2	57	0.0333	9.49	319	53	2666	444	0.021	80913	25811303
Community Building	Person	5	30	150	0.01	0.3	0.001665	0.05	239	39	2000	333	0.000	568	135707
Subtotal Flow				43,575		145.5		24.23	400	66	Total Design Flow in Liters				247424
ΓAC217.32 Design Flow				65,363					271	45					

Acres at Desert Creek - Final Buildout Flow and Loading (Phase I + Phase II)

Source	Unit	Design Flow	Number of Units	Source Total	lbs BOD/unit	lbs BOD total	lbs N/unit	lbs N total	BOD in mg/L	TKN in mg/L	C1	N1	Item Flow	Total liters	Total MG BOD
Mobile Home G	Person	50	876	43800	0.2	175.2	0.0333	29.17	479	79	4000	666	0.044	165801	79418696
Duplexes	Person	75	580	43500	0.2	116	0.0333	19.31	319	53	2666	444	0.044	164665	52528267
Community Building	Person	5	60	300	0.01	0.6	0.001665	0.10	239	39	2000	333	0.000	1136	271414
Subtotal Flow				87,600		291.8		48.58	399	66	Total Design Flow in Liters				497403
ΓAC217.32 Design Flow				131,400					271	45					

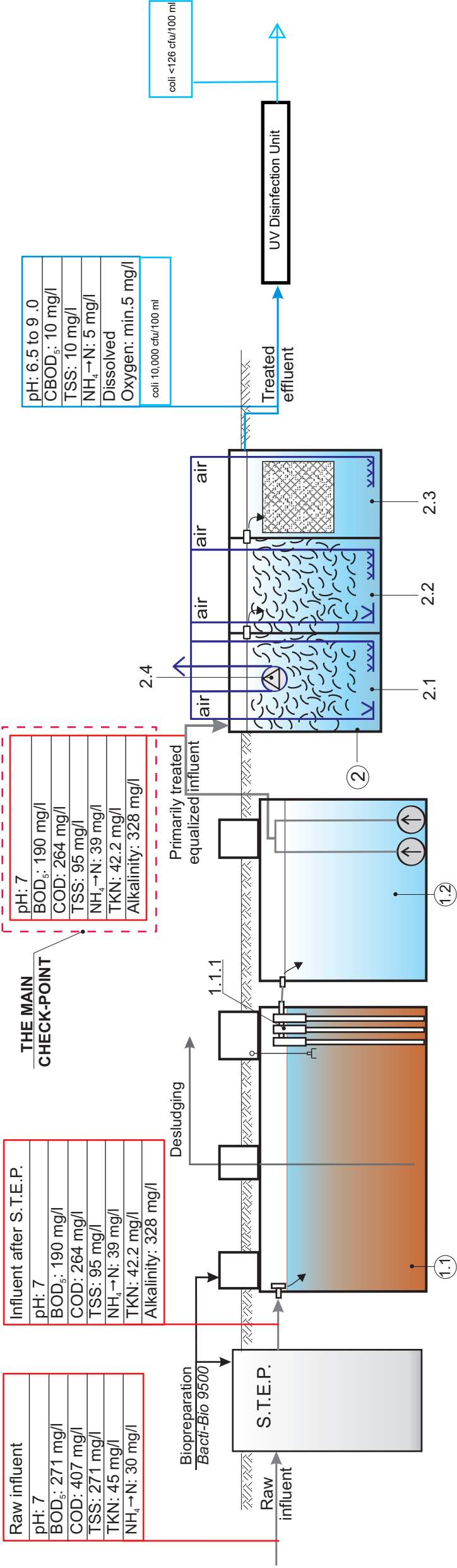
Project:	Charles Covey, The Acres at Desert Creek, Blue Ridge, Texas, USA 75424
Type of project:	Residential wastewater treatment. S.T.E.P. collection system. Stream disposal system.
Offer No.	34/151124/RWWBIO - III



PRINCIPAL PROCESS FLOW DIAGRAM
RESIDENTIAL WASTEWATER TREATMENT SYSTEM

S2-IM1B-320x2-921.N

with capacity of 132,000 GPD / 499.67 m³/day



KEY:

- Pre-treatment tanks:
 - Digestion tank ($V_{work} = 200 \text{ m}^3$) for residual suspended solids removal as well as these solids and mineralized sludge from the S.T.E.P. collection system digestion applying the special bioprep, incl.:
 - Zabel Filters
 - Flowrate equalization tank with equipment for wastewater feeding to Bioreactor ($V_{work} = 51 \text{ m}^3$)
- Multi-chamber bioreactor for bio-oxidation and nitrification, incl.:
 - Hydrolysis-fermentation chamber
 - Nitrification chamber
 - Polishing chamber
 - Submersible compressor

NOTES:

- The Diagram shows assumed maximum raw and primarily treated wastewater quality.
- The Bioreactor consists of two trains, just one train shown on the Diagram.
- Pre-treatment tanks are shown conditionally.
- Due to continuous improvement of wastewater treatment technologies and equipment manufacturing Aqua Tech Systems Inc. retains the right to modify technical descriptions and equipment specifications at any time without prior notice.

15.11.2024.

EL 1. Principal process flow diagram.

**CONTRACT FOR THE DEVELOPMENT AND PURCHASE OF PUBLIC DRINKING
WATER AND SANITARY SEWER FACILITIES AND TRANSFER OF GROUNDWATER
INTERESTS IN COLLIN COUNTY, TEXAS**

EXHIBIT E
UTILITY EASEMENTS

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.

AFTER RECORDING, RETURN TO:

Undine Texas, LLC
17681 Telge Road
Cypress, Texas 77429

UTILITY EASEMENT
(4.64 Acres)

THIS UTILITY EASEMENT (this "**Agreement**") is made and entered into as of the _____ day of _____ 2025, by and between Undine Texas, LLC, having an address of 17681 Telge Road, Cypress, Texas 77429 ("Grantee") and The Acres at Desert Creek, LP, having an address of 2030 G Avenue Suite 1107, Plano, TX 75074("Grantor").

RECITALS:

WHEREAS, Grantee as owner and holder of the Certificates of Convenience and Necessity for the real property affected by the Easement (as defined below);

WHEREAS, Grantor is the record owner of the "Easement Area" herein defined:

WHEREAS, the Grantor and Grantee desire to adopt, establish and impose the Easement on the Easement Area, as more specifically provided herein.

NOW, THEREFORE, Grantor and Grantee hereby adopt, establish, and impose the following easement upon the Easement Area (hereinafter defined) and declares that the Easement Area is and shall be held,

transferred, assigned, sold, conveyed and occupied subject to all such easements set forth in this Agreement.

THEREFORE, Grantor and Grantee, intending to be legally bound hereby, agree as follows:

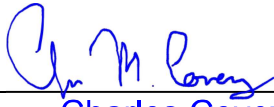
1. The foregoing recitals are incorporated herein by this reference thereto.
2. GRANTOR HEREBY GRANTS, SELLS, AND CONVEYS TO GRANTEE a non-exclusive utility easement (the "Easement") over the property described on **Exhibit 1** and shown on **Exhibit 2**, attached hereto and incorporated herein (the "Easement Area") for the purposes of Inspecting, maintaining, operating, repairing and replacing, as required, its water and wastewater lines and related facilities and equipment located at, and for ingress and egress to the water production facilities and related improvements ("**Production Facilities**") and wastewater treatment plant(s) and related improvements ("**Wastewater Treatment Facilities**") (the Production Facilities and Wastewater Treatment Facilities being collectively referred to as the "**Plants**"), described within the Easement Area and all related lift stations and related water and wastewater facilities lines and equipment, as further described on Exhibit 1 and shown on Exhibit 2. 'This Easement is a permanent easement and the Grantee, from time to time, shall have a right of ingress and egress over, under, through and across the Easement Area for the purposes of operating, repairing, reconstructing and replacing, as required, maintaining, altering and/or inspecting the Plants, and related facilities, lines, and equipment on the Property from and after their conveyance by Grantor to the Grantee hereunder.
3. This Easement is non-exclusive, and permits the construction, use and occupancy of improvements such as homes and buildings upon the Easement Area as further described on Exhibit 1 and Exhibit 2 so long as their construction and use is in compliance with the provisions of that certain Contract for the Development and Purchase of Public Drinking Water and Sanitary Sewer Facilities and Transfer of Groundwater Interests in Collin County, Texas by and between Grantor and Grantee (the "Contract") and does not materially interfere with the purpose of Beneficiary's Easement as stated herein and in said Contract. Grantor, its successors, substitutes and assigns, shall have the right from time to time to make further improvements and/or grant further easements over, across, through and under the Property, including the Easement Area, for any lawful purpose, provided, that its holder shall not interfere with the rights of the Grantee set forth grant herein or violate the Contract.
4. The Easement granted herein is binding upon the parties their heirs, personal representatives, successors and assigns and shall run with the land for so long as the Plants are operated by Grantee pursuant to the Contract. Upon expiration or termination of this Easement, the parties agree to execute, deliver, and record such documents and instruments as are reasonably required to document the expiration or termination of the Easement.
5. This Agreement shall be subject to and governed by the laws of the State of Texas.
6. Enforcement of this Agreement shall be by proceedings at law or in equity against any person or persons violating or attempting to violate the restrictions in this Agreement.

7. This Easement is subject to any and all valid and subsisting oil, gas, sulfur and mineral leases, unitization agreements, deeds, other easements and other instruments now of record in the real property records of Collin County, Texas, and any unrecorded prior easements under which improvements have been constructed in such a manner as to be apparent to the Grantee from an inspection of the Property, and which relate to all or any portion of the areas of the Property that are subject to this Easement.
8. TO HAVE AND TO HOLD the above described easement, together with all and singular the rights and appurtenances thereto in anywise belonging, including all necessary rights of ingress, egress, and regress, unto the said Grantee, its successors and assigns, forever, and Grantor does hereby bind itself and its administrators, successors and assigns to WARRANT AND FOREVER DEFEND, all and singular, the said easements unto the Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof, subject to all of the terms, conditions, provisions and limitations herein.

[THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

GRANTOR:

The Acres at Desert Creek, LP., a Texas Limited Partnership by Landvest Partners LLC a Texas Limited Liability Company, its General Partner

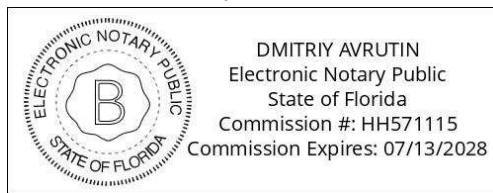
By: 
Name: Charles Covey
Title: Manager

THE STATE OF Florida

COUNTY OF Palm Beach

This instrument was acknowledged before me on this 08 day of April, 2025, by Charles Covey Manager of Landvest Partners LLC, General Partner of The Acres at Desert Creek, LP, on behalf of said Limited Partnership.

Notarized online using audio-video communication




NOTARY PUBLIC **DMITRIY AVRUTIN**
STATE OF Florida

PRESENCE TYPE: Online Notarization
ID TYPE: Texas DL

EXHIBIT 1
To Utility Easement

EXAMPLE LEGAL DESCRIPTION OF THE EASEMENT AREA FOR ILLUSTRATIVE PURPOSES

A tract of land situated in Collin County, Texas, being a portion of the property owned by The Acres at Desert Creek, LP, as recorded in the real property records of Collin County, Texas. Said tract comprises 4.64 acres, more or less, designated as a utility easement area, as described in Exhibit 1 and depicted in Exhibit 2 of the Utility Easement Agreement executed on [insert day] of 2025 between The Acres at Desert Creek, LP, and Undine Texas, LLC. The easement boundary includes the following curved segments, with specific metes and bounds to be completed upon receipt of line bearings and distances:

EASEMENT CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	39.68	213.00	10.67	S36° 45' 06"W	39.62
C2	111.11	113.00	56.34	S4° 36' 15"E	106.69
C3	119.48	162.00	42.26	S11° 38' 36"E	116.79
C4	66.58	322.50	11.82	S3° 28' 20"W	66.46
C5	49.70	30.01	94.88	S43° 21' 39"W	44.21
C6	165.68	50.00	189.86	S4° 06' 10"E	99.63
C7	49.70	30.00	94.91	S51° 34' 04"E	44.21
C8	47.12	30.00	90.00	S40° 53' 51"W	42.43
C9	47.12	30.00	90.00	S49° 06' 10"E	42.43
C10	132.61	80.00	94.97	N43° 20' 10E	117.94
C11	132.61	80.00	94.97	N43° 20' 22"E	117.94
C12	73.65	352.65	11.97	N3° 24' 21"E	73.51
C13	97.38	132.00	42.27	N11° 38' 17"W	95.19
C14	68.62	987.00	3.98	S44° 03' 58"W	68.60
C15	48.47	30.00	92.58	N87° 39' 16"W	43.37

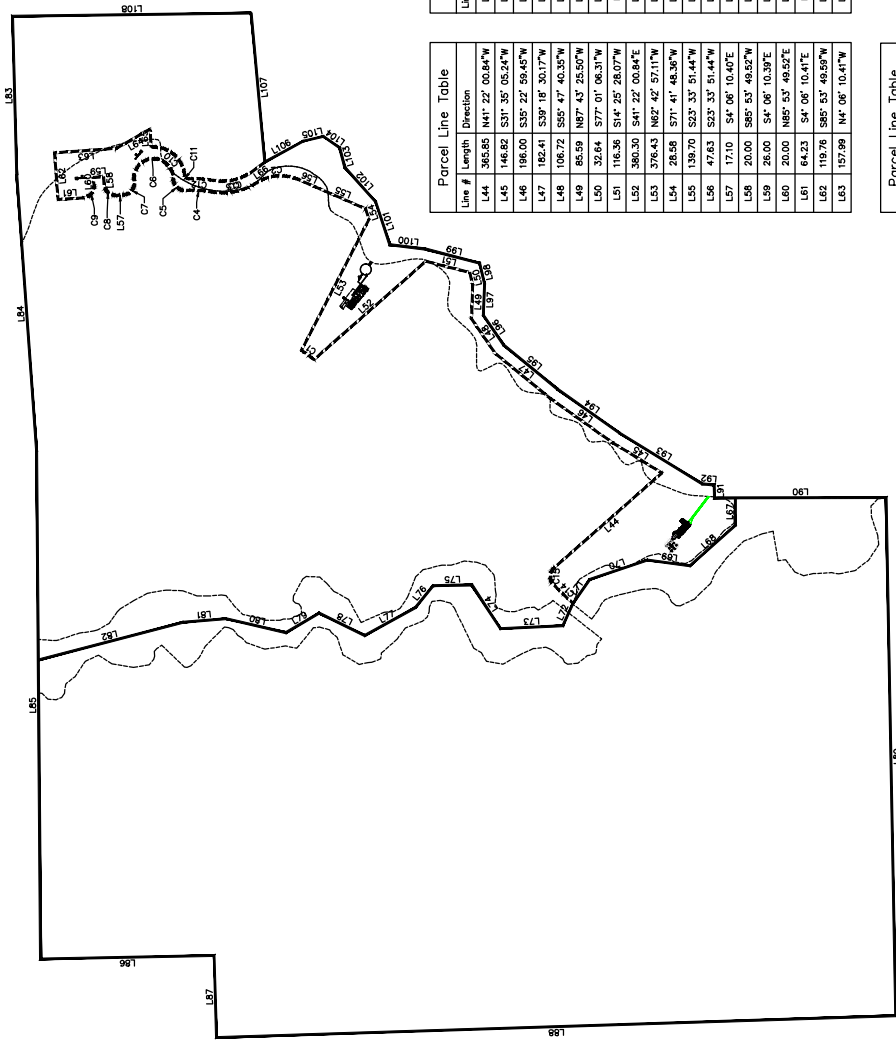
EASEMENT LINE TABLE		
LINE #	LENGTH	DIRECTION
L44	365.85	N41° 22' 0.84W
L45	146.82	S31° 35' 5.24"W
L46	196.00	S35° 22' 59.45"W
L47	182.41	S39° 18' 30.17"W
L48	106.72	S55° 47' 40.35"W
L49	85.59	N87° 43' 25.50"W
L50	32.64	S77° 1' 6.31"W
L51	116.36	S14° 25' 28.07"W
L52	380.30	S41° 22' 0.84"E
L53	376.43	N62° 42' 57.11"W
L54	28.58	S71° 41' 48.36"W
L55	139.70	S23° 33' 51.44"W
L56	47.63	S23° 33' 51.44"W
L57	17.10	S4° 6' 10.39"E
L58	20.00	N85° 53' 49.52"W
L59	26.00	S4° 6' 10.41"E
L60	20.00	N85° 53' 49.52"E
L61	64.23	S4° 6' 10.41"E
L62	119.76	S85° 53' 49.59"W
L63	157.99	N4° 6' 10.41"W
L64	98.69	N29° 51' 36.20"W
L65	45.78	N85° 46' 38.39"E
L66	46.11	N36° 27' 1.80"W

COLLIN COUNTY NOTES:

- [illegible]

GENERAL SURVEYOR NOTES:

- [illegible]

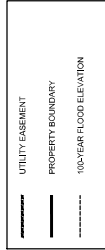


Curve Table			Chord Length
Curve #	Length	Delta	Chord Direction
C1	39.68	213.00	530° 45' 06"
C2	39.68	213.00	530° 45' 06"
C3	111.11	132.00	56° 34' 15"
C4	119.48	163.00	56° 34' 36"
C5	66.56	322.65	118° 53' 28' 20"
C6	49.70	30.00	188.88
C7	47.12	30.00	94.87
C8	47.12	30.00	94.87
C9	47.12	30.00	94.87
C10	132.61	80.00	94.87
C11	132.61	80.00	94.87
C12	73.65	332.65	118° 53' 28' 22"
C13	97.38	132.65	41.87
C14	68.62	96.00	348° 03' 58"
C15	48.47	30.00	94.88

Parcel Line Table		
Line	Length	Bearing
L44	366.85	N61°22' 00.84"E
L45	146.82	S33°35' 05.24"W
L46	192.61	S22°59.65"E
L47	186.20	S39°18' 30.17"W
L48	106.75	N87°45' 40.35"E
L49	88.52	N85°43' 25.50"E
L50	33.64	S77°01' 06.31"E
L51	116.56	S45°25' 28.07"W
L52	360.30	S41°22' 00.84"E
L53	576.43	S27°42' 57.11"W
L54	282.56	N72°41' 43.36"E
L55	136.70	S33°35' 05.14"W
L56	67.63	S23°33' 51.14"W
L57	17.10	S4°06' 10.40"E
L58	20.00	S85°53' 48.05"E
L59	26.00	S4°06' 10.39"E
L60	20.00	N85°53' 48.05"E
L61	64.24	S4°06' 10.41"E
L62	157.76	S85°53' 48.05"E
L63	119.59	N85°53' 48.05"E
L64	10.41	S4°06' 10.41"E

Parcel Line Table		
Line #	Length	Area
L04	96.616	1029.517 36.207M
L05	45.718	485.627 36.307E
L06	41.111	428.271 0.867M
L07	70.214	748.075 00.007E
L08	108.773	1341.337 45.857M
L09	135.734	1737.531 01.007M
L10	106.776	819.407 02.547E
L11	74.576	819.407 02.547E
L12	63.010	568.527 26.837E
L13	159.177	2053.537 43.007E
L14	139.177	559.457 50.377E
L15	91.811	510.577 33.027E
L16	71.810	550.577 08.047E
L17	147.772	539.577 15.277E
L18	173.610	527.477 25.647E
L19	159.610	520.477 09.677E
L20	100.776	513.174 04.447M
L21	106.776	471.477 56.647E
L22	402.610	539.477 31.797E
L23	424.610	1089.377 43.187E

Parcel Line	Table	Direction
Line 1	708.07	N 89° 53' 45.62"E
Line 2	1208.23	N 89° 32' 08.34"E
Line 3	462.71	N 89° 11' 10.89"E
Line 4	202.71	N 89° 18' 55.41"E
Line 5	220.07	N 89° 22' 22.00"E
Line 6	1734.03	N 89° 55' 56.71"E
Line 7	437.45	N 89° 51' 54.48"E
Line 8	327.45	S 89° 32' 45.98"E
Line 9	31.31	S 89° 27' 53.39"E
Line 10	249.86	S 89° 35' 05.24"E
Line 11	559.27	S 89° 22' 55.45"E
Line 12	1770.49	S 89° 18' 30.17"E
Line 13	92.45	S 89° 47' 40.35"E
Line 14	78.72	N 87° 43' 25.50"E
Line 15	574.01	S 87° 01' 06.31"E
Line 16	143.16	S 87° 22' 28.37"E
Line 17	57.07	S 87° 40' 30.75"E
Line 18	114.62	S 87° 47' 48.00"E
Line 19	118.50	S 87° 14' 58.68"E
Line 20	518.54	S 87° 22' 44.65"E



Parcel Line Table		
Line #	Length	Direction
L104	50.49	S35° 03' 14.38"W
L105	52.47	S12° 50' 40.53"E
L106	112.46	S28° 41' 30.37"E
L107	382.09	S84° 46' 36.99"W
L108	608.59	S0° 45' 59.46"E

LEGEND

UTILITY EASEMENT

PROPERTY BOUND

100-YEAR FLOOD E

PROJECT NO. M2315391.01	0	SHEET NO.
DATE MARCH 2025		
SCALE		
AS NOTED		

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

PROJECT OVERVIEW:

- **Project Name:** Acres at Desert Creek
 - **Owner of Property:** Charles Covey, President, Landvest Development, LLC
 - Address: PO Box 1387, McKinney, TX 75070
 - Contact: charles@landvestdev.com, 903-271-8907
 - **Location:** Texas Highway 160, Collin County, Texas
 - **Development Size:** 292 mobile homes, 92 two-bedroom duplexes, 142 three-bedroom duplexes.
-

TREATMENT SYSTEM OVERVIEW:

The wastewater treatment system for the Acres at Desert Creek project comprises:

- **S.T.E.P. Collection System:**
 - 117 duplex STEP tanks and 158 simplex STEP tanks (275 total tanks).
 - Total volume: 325,064 gallons.
 - Located at residential units, providing primary treatment by capturing solids, fats, oils, and grease (FOG).
 - **Pre-Treatment Stage:**
 - Three digestion tanks (20,000 gallons each, total 60,000 gallons).
 - One equalization tank (20,000 gallons).
 - **Advanced Treatment:**
 - Two bioreactors with biofilm technology, designed for 132,000 gallons per day (GPD).
-

KEY DESIGN DATA:

- **Average Daily Flow:** 88,275 GPD (0.0883 MGD).
- **Peak Flow:** 132,413 GPD (0.1324 MGD).
- **WWTP System Capacity:** 132,000 GPD.
- **Raw Influent Concentrations:**
 - CBOD5: 271 mg/L.
 - TSS: 271 mg/L.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- **Post-STEP Effluent Concentrations:**
 - CBOD5: 175.2 mg/L (35.3% reduction from raw).
 - TSS: 95 mg/L (65% reduction from raw).
- **AquaTechSystems Sludge Estimate:** 0.22 m³/day (58.12 gal/day) at design capacity, reflecting low sludge yield due to biofilm technology and Bacti-Bio 9500 stabilization.

Population Served:

- 292 mobile homes (3 persons each): $292 \times 3 = 876$ persons.
- 92 two-bedroom units (2.5 persons each): $92 \times 2.5 = 230$ persons.
- 142 three-bedroom units (3.5 persons each): $142 \times 3.5 = 497$ persons.
- **Total Population:** $876 + 230 + 497 = 1,603$ persons.

Flow Data Verification:

- Total residential flow: 87,675 GPD (43,800 GPD from mobile homes + 43,875 GPD from two- and three-bedroom units) + 600 GPD for community buildings = 88,275 GPD average.
 - Per capita flow: $88,275 \text{ GPD} \div 1,603 \text{ persons} \approx 55 \text{ GPD/person}$, which is reasonable for residential wastewater generation (typically 50-75 GPD/person).
 - The system design flows are assumed fixed based on unit counts and engineering estimates, not directly scaled with population, so they remain unchanged.
-

SLUDGE PRODUCTION AND MANAGEMENT STRATEGY

The treatment process is designed such that solids are effectively captured by the STEP tanks and do not make their way to the WWTP (digestion tanks and bioreactors). Consequently:

- **Sludge Accumulation Location:** STEP tanks are the primary and sole location for sludge accumulation.
- **WWTP Sludge Management:** No sludge disposal is required at the WWTP due to the efficiency of the STEP system and biofilm technology in the bioreactors, which minimizes solids carryover.

This plan focuses exclusively on sludge management for the STEP tanks, ensuring compliance with TCEQ regulations.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

STEP Tanks Sludge Management

Sludge Production

- **Population-Based Estimate:**
 - Using a conservative accumulation rate of 50 gallons per person per year (per EPA Onsite Wastewater Treatment Systems Manual):
 - For 1,603 persons: $1,603 \times 50 = 80,150$ gallons/year ≈ 219.6 gallons/day (80,150 \div 365).
- **Verification with TSS Removal:**
 - TSS removed in STEP tanks: 271 mg/L (raw) - 95 mg/L (post-STEP) = 176 mg/L.
 - At average flow (88,275 GPD = 0.0883 MGD):
 - Dry solids captured = $0.0883 \text{ MGD} \times 176 \text{ mg/L} \times 8.34 \text{ lb/MG/mg/L} = 129.5 \text{ lb/day}$.
 - Assuming sludge at 2% solids:
 - Wet sludge volume = $129.5 \text{ lb/day} \div 0.02 \div 8.34 \text{ lb/gal} \approx 776 \text{ gal/day}$.
 - Annualized: $776 \text{ gal/day} \times 365 \approx 283,240 \text{ gal/year}$.
 - **Note:** The TSS-based estimate reflects immediate solids capture, but anaerobic digestion in STEP tanks reduces volume over time. The population-based rate (50 gal/person/year) is more appropriate for long-term accumulation and is adopted for planning.

Management and Removal Schedule

- **Frequency:** Every 5 years, as specified, with flexibility to adjust based on monitoring.
- **Volume per Cleanout:**
 - 5 years: $80,150 \text{ gal/year} \times 5 = 400,750$ gallons.
- **Capacity Check:**
 - Total STEP tank volume = 325,064 gallons.

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- At 5 years: 400,750 gallons exceeds capacity (123% of 325,064 gallons), requiring staggered cleanouts across 275 tanks.
 - Annual cleanout target: $\sim 80,150 \text{ gallons/year} \div 275 \text{ tanks} \approx 291 \text{ gallons/tank/year}$, with ~ 55 tanks cleaned annually ($80,150 \div 1,466 \text{ gallons/tank average capacity} \approx 55$).
 - **Monitoring:** Sludge levels will be monitored via manual inspection or optional sensors to adjust the schedule as needed.
-

SLUDGE HAULER AGREEMENT

This agreement acknowledges the arrangement for sludge removal from the treatment system at *Acres at Desert Creek*, and outlines the hauler's responsibilities, rates, and TCEQ credentials. This document will be submitted as part of the permit application to ensure compliance with TCEQ standards for solids management.

Sludge Hauler Details:

- **Hauler Name:** Hazmat Environmental Services, Inc.
- **Address:** 2605 Northaven, Dallas, TX 75229
- **General Manager:** Brad Henson
- **Contact Information:**
 - Phone: 972-243-1210
 - Email: bhenson@usahazmat.com

Scope of Work:

- Hazmat Environmental Services, Inc. will be responsible for the periodic removal of sludge from the *Acres at Desert Creek* treatment system.
- **Rate:** The rate per gallon for sludge removal will be at an initial \$.68 per gallon.
- **Sludge Disposal Facility:** The sludge will be transported and disposed of at the TCEQ-approved disposal facility:
 - **Disposal Site Name:** City of Dallas

Solids Management Plan

Acres at Desert Creek
Collin County, Texas

- **TCEQ Permit or Registration Number:** TBD based on which facility will receive waste. Will firm once project has begun.
- **County Where Disposal Site is Located:** Dallas County
- **Address:** TBD
- **Transportation Method:**
- **Method of Transportation:** Truck
- **Name of the Hauler:** Hazmat Environmental Services, Inc.
- **Hauler Registration Number:** 24802

Credentials:

- Hazmat Environmental Services, Inc. is a TCEQ-approved sludge hauler with the required certifications for handling and transporting wastewater sludge in accordance with TCEQ regulations. Their credentials are as follows:
 - **TCEQ Registration Number:** RN100757541
 - **License/Permit Number:** TXR000081656

By signing below, Hazmat Environmental Services, Inc. agrees to provide sludge hauling and disposal services for the *Acres at Desert Creek* project, in accordance with all TCEQ guidelines and regulatory requirements.

Signature:

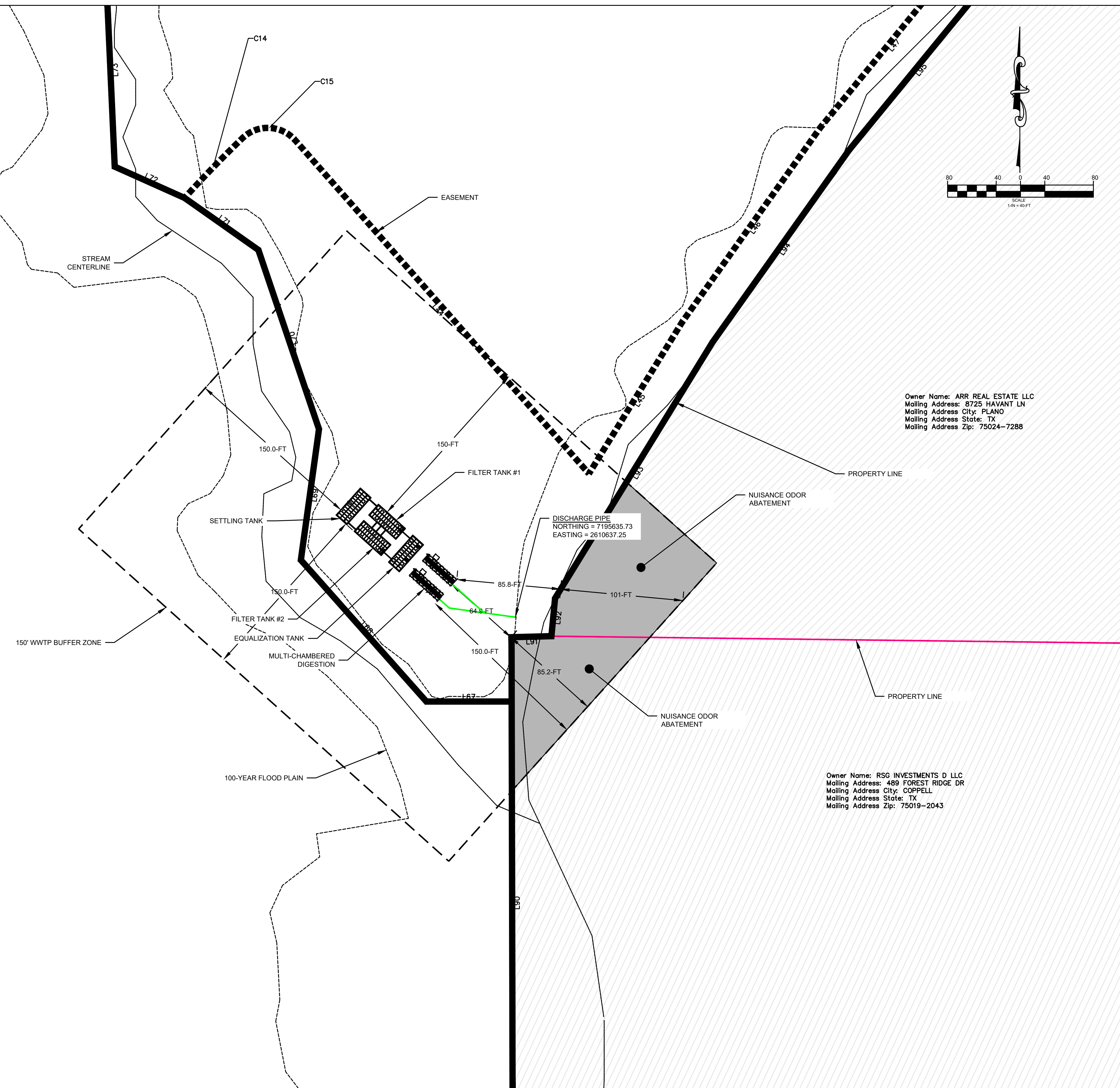
Brad Henson

Name: Brad Henson

Title: General Manager

Company: Hazmat Environmental Services, Inc.

Date: 04/08/2025



ACRES AT DESERT CREEK

WWTP BUFFER ZONE

REG.
PROF. ENGINEER No.: 84992

[illegible]

PROJECT NO
M2315391.01
DATE
MARCH 2025
SCALE
AS NOTED

SHEET NO.

0



REG.
PROF. ENGINEER No.: 84992

PROJECT NO. M2315391.01	SHEET NO. -----
DATE MARCH 2025	
SCALE	
AS NOTED	

WATER BALANCE WORKSHEET

The Acres at Desert Creek project, located on Texas Highway 160 in Collin County, Texas, involves a wastewater treatment system designed for direct discharge into Desert Creek. As the treated effluent is discharged directly to a surface water body and not applied to land, a water balance worksheet is not applicable per TCEQ requirements for TPDES permitting. The system's design ensures compliance with effluent limits (CBOD5 \leq 10 mg/L, TSS \leq 10 mg/L, NH₃-N \leq 5 mg/L, DO \geq 5 mg/L) without the need for land application or associated water balance calculations

Candice Calhoun

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Thursday, June 12, 2025 3:59 PM
To: Brett Zimmerman
Cc: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: scanner_20250612_134913.pdf

The attached is being sent overnight. Ms. Calhoun should received it tomorrow.

Thank you

Jeff Goebel

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Wednesday, June 11, 2025 5:41 PM
To: Jeff Goebel <jgoebel@undinellc.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

CAUTION: 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.

Sounds good. Thank you.

Brett Zimmerman, PE, PMP
Engineer
Madrid CPWG

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Wednesday, June 11, 2025 6:20 PM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: Re: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

I'll get it out tomorrow morning

It's on my desk
Thank you
Jeff Goebel

Sent from my iPhone

On Jun 11, 2025, at 5:06 PM, Brett Zimmerman <Brett.Zimmerman@madridcpwg.com> wrote:

June 6, 2025

Sent Via FedEx

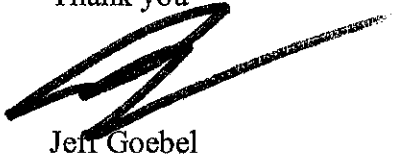
Executive Director
Application Review and Processing Team (MC148)
Attn: Candice Calhoun
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: Proposed Permit No. WQ0016780001

Ms. Calhoun,

Please see attached original signature pages for your use.

Thank you

A handwritten signature in black ink, appearing to be 'Jeff Goebel', written over a horizontal line.

Jeff Goebel





TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604519330		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
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 Legal Name (If an individual, print last name first: eg: Doe, John) If new Customer, enter previous Customer below:			
Undine Texas Environmental, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
801768069	32050717274		46-316
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input checked="" type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	17681 Telge Rd		
	City	Cypress	State TX ZIP 77429 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	

18. Telephone Number (713) 574-5953	19. Extension or Code	20. Fax Number (if applicable) (713) 647-0277
---	------------------------------	---

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
The Acres at Desert Creek Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: (No PO Boxes)	15830 Hwy 160						
	City	Blue Ridge	State	TX	ZIP	75424	ZIP + 4
24. County							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	15830 Hwy 160, Blue Ridge, TX 75424				
26. Nearest City	State			Nearest ZIP Code	
Blue Ridge	TX			75424	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>					
27. Latitude (N) In Decimal:		28. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
33	23	43	96	24	12
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)		
4952					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)					
Water Utilities					
34. Mailing Address:	17681 Telge Rd				
	City	Cypress	State	TX	ZIP
35. E-Mail Address:	cthomas@undinellc.com				
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)		
(713) 574-5953			(713) 647-277		

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.

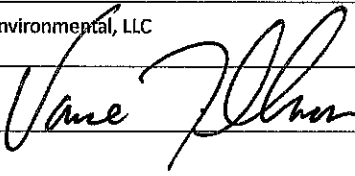
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jeff Goebel	41. Title:	Business Development
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 574-5953		() -	jgoebel@undinellc.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:	Undine Texas Environmental, LLC	Job Title:	CFO
Name (In Print):	Vance Tillman	Phone:	(713) 574- 5953
Signature:		Date:	5/27/2025

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: Click to enter text.

Applicant: Undine Texas Environmental, LLC

Certification:

I 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.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Vance Tillman

Signatory title: Chief Financial Officer

Signature: _____

(Use blue ink)

Date: _____

05/27/25

Subscribed and Sworn to before me by the said Vance Tillman

on this 27th day of May, 20 25.

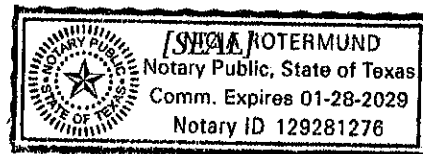
My commission expires on the 28th day of January, 20 29.

Maria Rotermund

Notary Public

Harris

County, Texas



Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Wednesday, April 30, 2025 4:30 PM
To: Candice Calhoun
Subject: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: 10053 Acres at Desert Creek.docx; Affected Landowner Map.pdf; Attachment 02_Plain Language Summary.docx; Attachment 03_Public Involvement Plan.pdf; Attachment 13 _SPIF.pdf; Avery Labels.docx; Municipal Discharge New Spanish NORI.docx

Good afternoon, Candice –

Below are your questions/required revisions and responses (red). I have also attached the requested revised forms. Please reach out if you have any questions or need additional modifications.

Thanks you.

1. Two conflicting applications were provided via STEERS admin report and admin report 1.0. Please resubmit a complete admin report, with the correct information, using TCEQ form number 10053.
Refer to completed 10053 form.
2. A draft easement was provided for a different entity other than the applicant. Please provide a lease agreement or deed recorded easement between the applicant and the landowner.
There was an error in 10053. The applicant is Undine Texas, LLC. This has been corrected in Form 10053
3. Plain Language Summary (PLS): the facility address listed in the English and Spanish PLS' differs from the facility address listed in the application. Please provide the PLS, in English and Spanish language, using the correct facility address.
In 10053, is the facility address you are referring to in Section 8.D or another location? The facility address is: 15830 State Hwy 160, Blue Ridge, Tx 75424. The Facility address has been updated in the PLS and is included in the attachments.
4. Public Involvement Plan (PIP): the PIP provided is incomplete. Please provide a complete PIP.
It is my understanding that since not all the boxes are checked in Section 2, the remaining portion of the PIP does not need to be completed. Can you provide clarification on this?
5. Supplemental Permit Information Form (SPIF): the SPIF provided has a different address from the facility address listed in the application. Please provide an updated SPIF to include the correct facility address.
The SPIF has been updated with the correct facility address.
6. Affected Landowner Map: the affected landowner map did not label the facility and applicant property boundaries. Please provide an updated landowner map to label the requested items.
An updated copy of the Affected Landowner Map is attached.
7. Affected Landowner Mailing Labels: the mailing labels were not provided. Please provide the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.
Affected Landowner Mailing Labels has been revised and attached.

8. Public Viewing Location: the public viewing location could not be verified with the building name provided (Landvest Shop). Please provide clarification and verification on the public viewing location provided. Otherwise, provide a different public viewing location.
The location has changed to 17800 Dickerson, STE 224, Dallas Texas 75252. This has been updated in the Public Viewing Section.
9. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Landvest Development, LLC, P.O. Box 1387, McI applied to the Texas Commission on Environmental Quality (TCEQ) Pollutant Discharge Elimination System (TPDES) Permit No. WQ TX00147737) to authorize the discharge of treated wastewater daily average flow of 131,000 gallons per day. The domestic wastewater treatment plant will be located at 15830 State Highway 160, near the city of Blue Ridge, Texas 75424. The discharge route will be from the plant site to (pending applicant response). The permit application was received this application on April 14, 2025. The permit application is available for public viewing and copying at (pending applicant response), (address) in Collin County, Texas prior to the date this notice is published. The complete application, including any updates, and associated notices are available at the following webpage: <https://www.tceq.texas.gov/permitting/water/permits/tpdes-applications>. This link to an electronic man of the

This content appears to be correct.

10. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word document.
Translated NORI is attached.



[Madrid CPWG - Website](#)
[Madrid CPWG - LinkedIn](#)

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

Cell: (865) 851-6911

Email: Brett-Zimmerman@madridcpwg.com

Office: 5001 N. Nebraska Avenue, Suite A, Tampa, FL 33603

Florida: Bartow | Blountstown | Chipley | Jacksonville | Oviedo | Tampa
Georgia: Atlanta | Missouri: Hollister

DBE | W/MBE | SBE Certified

Candice Calhoun

From: Candice Calhoun
Sent: Monday, May 5, 2025 3:44 PM
To: Brett Zimmerman
Cc: Erwin Madrid; Leah Whallon
Subject: Application for Permit No. WQ0016780001 - Notice of Deficiency 30-Day Will Return Letter
Attachments: WQ0016780001_Will Return Ltr.pdf
Importance: High

Dear applicant,

The attached Notice of Deficiency 30-Day Will Return Letter was mailed on **May 5, 2025**, requesting additional information needed to declare the application administratively complete. Please mail an original and two copies (with a cover letter) of the complete response by **June 4, 2025**.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at
www.tceq.texas.gov/customersurvey

Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Thursday, May 8, 2025 7:34 PM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: SPIF.pdf; 10053 Acres at Desert Creek.docx; Attachment 02_Plain Language Summary.docx; Core Data Form.pdf; Municipal Discharge New Spanish NORI.docx

Good afternoon, Candice –

I reached out to Undine regarding the applicants and got some clarification. We are applying as co-applicants where Landvest is the primary and Undine is the co-applicant.

I have provided responses to your questions/comments below in red.

Also, I have included the updated docs as requested.

Best regards,

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, May 1, 2025 9:13 AM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Importance: High

Good morning, Mr. Zimmerman,

Thank you for your response. Your response to items 4, 6, 7, and 9 is sufficient. However, more information is needed for items 1, 2, 3, 5, 8, and 10. Please see below:

1. The facility owner listed in TCEQ form number 10053 provided shows “Landvest Development, LLC”, however, in your comment to item 2, you stated that “Undine Texas, LLC” is the applicant. Please provide clarification on who the applicant is. **Landvest and Undine are co-applicants.** Provide an updated admin report as well as provide a CDF for the applicant, if the applicant is “Undine Texas, LLC”. **An updated admin report is attached.** Also, provide an updated PLS with the correct applicant’s name, if applicable. **Since these are co-applicants, do I need to provide separate PLS forms for each or is the one provided (attached) sufficient?**

2. PLS – the address that I am referring to is the facility location address in the CDF. Section 8.D is for the public viewing location, not the facility. The address in the CDF is “15776 Highway 160, Blue Ridge, Texas 75424”. Please provide an updated CDF to show the correct Street Address of the Regulated Entity (Section III, Item 23). **The address in the CDF was incorrect, both the CDF and PLS list the correct facility address. Attached are updated copies of the PLS and CDF.**
3. SPIF – The SPIF provided shows “Charles Covey” as the Permittee/applicant. This should match section 3 of the admin report. Please provide an updated SPIF with the correct Permittee. **I have updated the SPIF to reflect Landvest Development as the permittee. Let me know if I need to include Undine under the same SPIF or if a separate SPIF is required.**
4. Public Viewing Location – The building name provided could not be verified. Please provide verification of the building name and location or provide an updated section with a different public viewing location. **I confirmed with Charles Covey that 17800 Dickerson, STE 224, Dallas Tx 75252 is the correct building address. The building name is Landvest Shop. They recently moved, so that might be the reason its not showing up.**
5. Spanish NORI – The Spanish NORI provided has a different applicant name, permit mailing address, and contact listed in last paragraph of NORI than the application and CDF provided. **This has been updated to Landvest Development and their associated information.** It also includes an incorrect discharge route. Please provide an updated Spanish NORI to correct the incorrect information, as well as to include the following discharge route, given by the TCEQ RWA team: “via pipe to Desert Creek; thence to Pilot Grove Creek; thence to Lake Lavon.” **The discharge route has been updated.**

Since the deadline for a complete response has passed, a 30-day notice will be issued. Please let me know if you have any additional questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Thursday, May 15, 2025 5:08 AM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: SPIF.pdf; Attachment 02_Plain Language Summary.docx

Good morning, Candice –

The updated PLS is attached. For clarification, the flow should be 131,000 in the final phase. As for the SPIF, I added Undine in section A. Is this all I need to do to the SPIF, or do I need to add information elsewhere?

Also, I am waiting for Undine to provide an updated CDF and signature page on the Admin report. Does he need to mail that into you or can we send by email?

Charles is looking for a public viewing location and I will update the report as soon as I get that.

I will keep you posted. Thank you!

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Monday, May 12, 2025 10:24 AM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

Good morning, Brett,

Sorry for the delayed response, I ended up being out of office Friday unexpectedly. Thank you for your provided response. Please see below for my comments.

1. Thank you, the updated admin report is sufficient. Since “Undine Texas, LLC” is being added on as a co-applicant, a signed and notarized signature page will need to be mailed in to TCEQ. A CDF for the co-applicant is also needed. The updated CDF for the applicant looks good to me.
2. PLS – you won’t need to provide two separate PLS’ for the applicants, you would just need to include both the applicant and co-applicant in the PLS. Also, I noticed that in the PLS it says “132,000 GPD”, however, in the technical report, section 1, it shows 131,000 in the final phase. Please clarify the correct GPD and update the PLS or the technical report as needed.

3. SPIF – Yes, since Undine is being added as a co-applicant, please go ahead and add them to the SPIF as well.
4. Public Viewing location – Unfortunately, since I cannot verify it on my end, you will need to provide another location. Also, the building needs to be a public building in the sense it is owned by a public entity (supported by taxpayers funds), not just open to the public. Please provide an updated section to show a different location.
5. Spanish NORI – This looks good. I can make changes on my end to add in the TX number and such. So you're good on this one.

Please let me know if you have any additional questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at
www.tceq.texas.gov/customersurvey

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>

Sent: Thursday, May 8, 2025 7:34 PM

To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>

Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

Good afternoon, Candice –

I reached out to Undine regarding the applicants and got some clarification. We are applying as co-applicants where Landvest is the primary and Undine is the co-applicant.

I have provided responses to your questions/comments below in red.

Also, I have included the updated docs as requested.

Best regards,

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Thursday, May 22, 2025 7:09 PM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: 10053 Acres at Desert Creek.docx

Good afternoon, Candice –

Apologies for the late response. I received an update from undine.. They should have sent copies of the CDF and signature page today. So you should receive it next week some time.

Also, the public viewing location will be the post office in blue ridge located at 301 S Business Highway 78, Blue Ridge, TX 75424. Attached is the updated 10053.

Thank you,

Brett Zimmerman, PE, PMP
Engineer
Madrid CPWG

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, May 16, 2025 3:29 PM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Importance: High

Good afternoon, Brett,

Thank you, the SPIF looks good as is. As for the signature page and the CDF for the co-applicant, they will need to be mailed as a wet-ink signature is needed. Sounds good regarding the public viewing location.

As a recap, the following items are the only items we are waiting on:

- Co-Applicant signature page and Core Data Form (**mailed in**)
- Updated section 8, item D, to provide a different public viewing location. (**can be emailed**)

The remainder of the items that were in the original NOD have been addressed and are sufficient.

Please let me know if you have any additional questions.

Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Wednesday, May 28, 2025 7:26 PM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: scanner_20250527_112752.pdf

Good afternoon, Candice –

I hope you enjoyed the long weekend!

Attached is Undine's CDF. Also, Undine wants us to list them as Undine Texas Environmental, LLC. I'll update that on 10053 and send it to you in the morning.

Thanks,

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, May 23, 2025 12:03 PM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

Good morning, Brett,

No worries, thank you for the update. I will keep an eye out for those pages. Once I receive them, I will reach back out to let you know.

Thank you for the updated admin report to show the new public viewing location. Can you just confirm that this location has public access to be able to view and make copies of the application?

Please let me know if you have any additional questions.

Regards,

Candice Calhoun

From: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Sent: Monday, June 2, 2025 12:34 PM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency
Attachments: SPIF.pdf; 10053 Acres at Desert Creek.docx

Candice –

Here is the updated 10053 form and SPIF. I didn't see reference to undine on the PLS.

Did you end up receiving the signature page from undine?

Thanks,

Brett Zimmerman, PE, PMP

Engineer
Madrid CPWG

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, May 30, 2025 12:43 PM
To: Brett Zimmerman <Brett.Zimmerman@madridcpwg.com>
Subject: RE: Application for Proposed Permit No. WQ0016780001 - Notice of Deficiency

Good morning, Brett,

Thank you, you as well.

Thank you for their CDF, I look forward to receiving the updated form 10053. Also, to reflect the correct name, the Spif, PLS, and any additional documents that list both applicants, will need to be updated as well.

Please let me know if you have any questions.

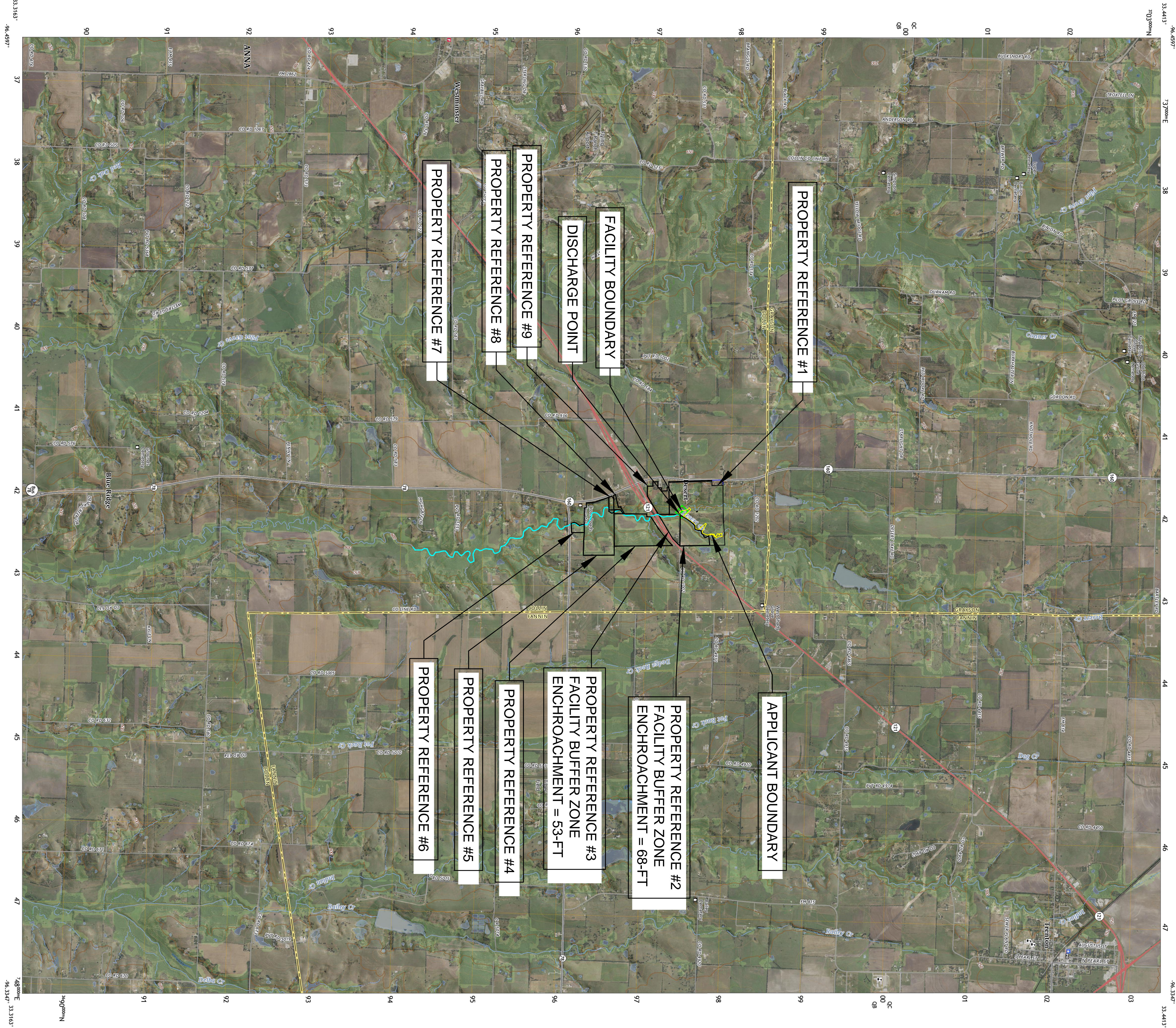
Regards,



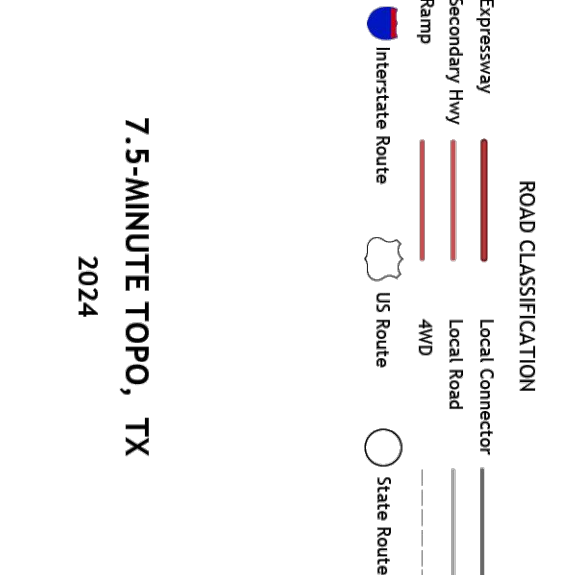
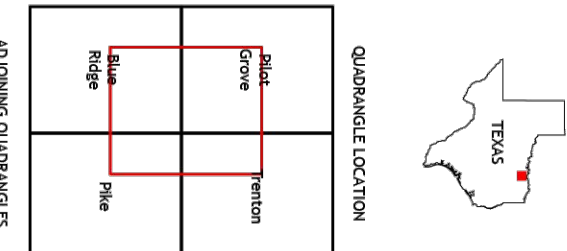
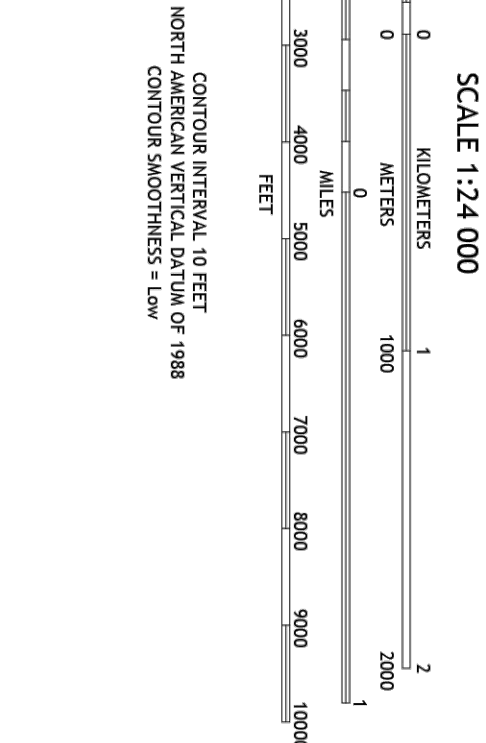
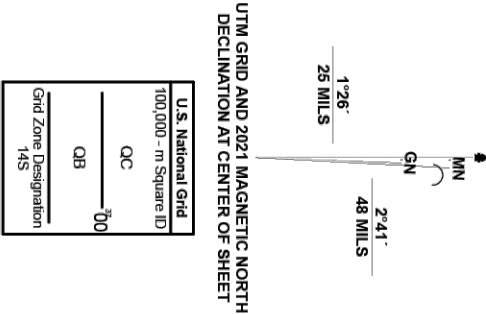
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



7.5-MINUTE TOPO QUADRANGLE
Custom Extent
7.5-MINUTE TOPO



Produced by the United States Geological Survey
This map is a digital document. Boundaries may be generalized for this map scale. Before entering private lands, temporal changes may have occurred since these data were collected and some data may no longer represent actual surface conditions. Learn About The National Map: <https://nationalmap.gov>



7.5-MINUTE TOPO, TX
2024

MADRICPWG ENGINEERING, INC.
3916 N. HIGHLAND AVE.
TAMPA, FL
813-361-2644
WWW.MADRICPWG.COM

ACRES AT DESERT CREEK

10053_ADMINISTRATIVE REPORT_SECTION 1 MAP

NO.	REVISION/ISSUE	DRAWN	CHECKED

PROJECT NO.
M2315298.00
DATE
MARCH 2025
SCALE
AS NOTED

SHEET NO.



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V
Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire
Radioactive Material Licensing Underground Injection Control

Water Quality

Texas Pollutant Discharge Elimination System (TPDES)
Texas Land Application Permit (TLAP)
State Only Concentrated Animal Feeding Operation (CAFO)
Water Treatment Plant Residuals Disposal Permit
Class B Biosolids Land Application Permit
Domestic Septage Land Application Registration

Water Rights New Permit

New Appropriation of Water
New or existing reservoir

Amendment to an Existing Water Right

Add a New Appropriation of Water
Add a New or Existing Reservoir
Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

Yes No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

Yes No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

Yes No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

Yes No

(e) If a public meeting is held, will a translator be provided if requested?

Yes No

(f) Hard copies of the application will be available at the following (check all that apply):

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

Yes No

What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

DESERT CREEK TEFFT HOLDINGS
LLC
PO BOX 1387
MCKINNEY TX, 75070

ARR REAL ESTATE LLC
8725 HAVANT LN
PLANO, TX 75024

RSG INVESTMENTS D LLC
489 FOREST RIDGE DR
COPPELL, TX 75019

BLANTON MARILYN
9313 DAVID FORT RD
ARGYLE, TX 76226

BLANTON MARILYN
9313 DAVID FORT RD
ARGYLE, TX 76226

RILEY DEREK BRANT
15165 STATE HIGHWAY 78 N
BLUE RIDGE, TX 75424

ALLEY ELFORD WAYNE
15280 STATE HIGHWAY 160
BLUE RIDGE, TX 75424

ALLEY ELFORD WAYNE
15312 STATE HIGHWAY 160
BLUE RIDGE, TX 75424

PAZPAC LLC
11056 PANORAMA DR
FRISCO, TX 75035



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604519330		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<i>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).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Undine Texas Environmental, LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
801768069	32050717274		46-316
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input checked="" type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	17681 Telge Rd		
	City	Cypress	State
		TX	ZIP
		77429	ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	

18. Telephone Number (713) 574-5953	19. Extension or Code	20. Fax Number (if applicable) (713) 647-0277
---	------------------------------	---

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.) <input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.) The Acres at Desert Creek Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: (No PO Boxes)	15830 Hwy 160						
	City	Blue Ridge	State	TX	ZIP	75424	ZIP + 4
24. County							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	15830 Hwy 160, Blue Ridge, TX 75424						
26. Nearest City	Blue Ridge				State	TX	Nearest ZIP Code
						75424	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:				
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
33	23	43	96	24	12		
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)		
4952							
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.) Water Utilities							
34. Mailing Address:	17681 Telge Rd						
	City	Cypress	State	TX	ZIP	77429	ZIP + 4
35. E-Mail Address:		cthomas@undlnellc.com					
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)			
(713) 574-5953				(713) 647-277			

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.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Jeff Goebel	41. Title:	Business Development
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 574-5953		() -	jgoebel@undinellc.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:	Undine Texas Environmental, LLC	Job Title:	CFO
Name (In Print):	Vance Tillman	Phone:	(713) 574- 5953
Signature:		Date:	5/27/2025

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: Click to enter text.

Applicant: Undine Texas Environmental, LLC

Certification:

I 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.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Vance Tillam

Signatory title: Chief Financial Officer

Signature: _____

(Use blue ink)

Date: _____

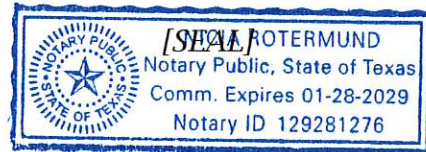
Subscribed and Sworn to before me by the said Vance Tillman

on this 27th day of May, 20 25.

My commission expires on the 28th day of January, 20 29.

Micia Rotermund
Notary Public

Hamis
County, Texas





TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>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).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Landvest Development, LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	
0804476085		32082435449		880529154	
10. DUNS Number (if applicable)					
11. Type of Customer:		<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
12. Number of Employees		13. Independently Owned and Operated?			
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:		PO Box 1387			
City		McKinney		State	TX
ZIP		75070		ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
			Charles@charlescovey.com		

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(903) 271-8907		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
The Acres at Desert Creek, LP								
23. Street Address of the Regulated Entity: (No PO Boxes)	15830 Hwy 160							
	City	Blue Ridge	State	TX	ZIP	75424	ZIP + 4	
24. County	Collin							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	15830 Hwy 160, Blue Ridge, TX 75424							
26. Nearest City				State		Nearest ZIP Code		
Blue Ridge				TX		75424		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:					
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
33	23		43		96	24		12
29. Primary SIC Code		30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code		
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)		
6514		6515		236116				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Real Estate Development								
34. Mailing Address:	PO Box 1387							
	City	McKinney	State	TX	ZIP	75070	ZIP + 4	
35. E-Mail Address:		Charles@charlescovey.com						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(903) 271-8907						() -		


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Charles Covey			41. Title:	President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(903) - 271-8907		() -	charles@landvestdev.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:	Landvest Development, LLC	Job Title:	President
Name (In Print):	Charles Covey	Phone:	(903) - 271-8907
Signature:		Date:	11/14/2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

A. Permittee: Landvest Development, LLC & Undine Texas Environmental, LLC
Permit No. WQ00 _____ EPA ID No. TX _____

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

15830 State Hwy 160, Blue Ridge, TX 75424

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Charles

First and Last Name: Covey

Credential (P.E, P.G., Ph.D., etc.):

Title: President

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: 903-271-8907 Ext.: Fax No.:

E-mail Address: charles@charlescovey.com

1. List the county in which the facility is located: Collin
2. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The property is privately owned.

3. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Desert Creek to Pilot Grove Creek segment 0821.

4. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☒ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☐ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☒ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The project will involve moderate to minimal surface grading and site excavation to facilitate installation of utility lines. Total area to be impacted as a result of overall site development is approximately 65-acres. Site area impact as a direct result of WWTP and surface water discharge system is approximately 6,685-square feet. Average depth of utility lines installed ranges from 2.5 to 3.5 feet. There are no known caves or karst features on the property.

2. Describe existing disturbances, vegetation, and land use:

The site has been partially cleared of vegetation and some site grading has been performed. Land use is listed with the state as E (Rural Non-ag Land (Not Platted, Not In City)) Existing vegetation consists of open grass area with isolated areas of brush and trees.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

Construction is anticipated to begin in July, 2025 and continue through August, 2028.

4. Provide a brief history of the property, and name of the architect/builder, if known.

Historically, the property has been listed as rural, non-agricultural land. The property builder is LandVest, LLC.

ACRES AT DESERT CREEK

PROPERTY INFORMATION

1. **Owner Name:** DESERT CREEK TEFFT HOLDINGS LLC

Mailing Address: PO BOX 1387

Mailing Address City: MCKINNEY

Mailing Address State: TX

Mailing Address Zip: 75070-8151

2. **Owner Name:** ARR REAL ESTATE LLC

Mailing Address: 8725 HAVANT LN

Mailing Address City: PLANO

Mailing Address State: TX

Mailing Address Zip: 75024-7288

3. **Owner Name:** RSG INVESTMENTS D LLC

Mailing Address: 489 FOREST RIDGE DR

Mailing Address City: COPPELL

Mailing Address State: TX

Mailing Address Zip: 75019-2043

4. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

5. **Owner Name:** BLANTON MARILYN

Mailing Address: 9313 DAVID FORT RD

Mailing Address City: ARGYLE

Mailing Address State: TX

Mailing Address Zip: 76226-2958

6. **Owner Name:** RILEY DEREK BRANT

Mailing Address: 15165 STATE HIGHWAY 78 N

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2157

7. **Owner Name:** ALLEY ELFORD WAYNE

Mailing Address: 15280 STATE HIGHWAY 160

Mailing Address City: BLUE RIDGE

Mailing Address State: TX

Mailing Address Zip: 75424-2122

ACRES AT DESERT CREEK

PROPERTY INFORMATION

8. **Owner Name:** ALLEY ELFORD WAYNE &
Mailing Address: 15312 STATE HIGHWAY 160
Mailing Address City: BLUE RIDGE
Mailing Address State: TX
Mailing Address Zip: 75424-2123

9. **Owner Name:** PAZPAC LLC
Mailing Address: 11056 PANORAMA DR
Mailing Address City: FRISCO
Mailing Address State: TX
Mailing Address Zip: 75035-6818



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Landvest Development, LLC and co-applicant Undine Texas Environmental, LLC

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	<input type="checkbox"/>	<input type="checkbox"/>	Original USGS Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input type="checkbox"/>	<input type="checkbox"/>
SPIF	<input type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram	<input type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____

Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input checked="" type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:

Check/Money Order Amount:

Name Printed on Check:

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

b. Check the box next to the appropriate facility status.

- ☐ Active ☒ Inactive

c. Check the box next to the appropriate permit type.

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component
☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

- ☒ New
☐ Major Amendment with Renewal
☐ Major Amendment without Renewal
☐ Renewal without changes
☐ Minor Amendment with Renewal
☐ Minor Amendment without Renewal
☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

Landvest Development, LLC

(The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: Applicant is currently not a customer

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix: Mr.

Last Name, First Name: Charles Covey

Title: President

Credential: [Click to enter text.](#)

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

Undine Texas Environmental, LLC

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?
You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: CN605397827

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in 30 TAC § 305.44.

Prefix:

Last Name, First Name: Vance Tillman

Title: CFO

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Undine provides expertise and personnel in operations.

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0.

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr.

Last Name, First Name: Zimmerman, Brett

Title: Project Lead

Credential: PE

Organization Name: MadridCPWG

Mailing Address: 5001 N. Nebraska Ave., Suite A City, State, Zip Code: Tampa, FL, 33603

Phone No.: (865) 851-6911

E-mail Address: brett.zimmerman@madridcpwg.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Mr.

Last Name, First Name: Jeff Goebel

Title: Business Development

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Road City, State, Zip Code: Cypress Texas 77429

Phone No.: 713-724-9321

E-mail Address: jgoebel@undinellc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Ms.

Last Name, First Name: Carey Thomas

Title: VP

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Road

City, State, Zip Code: Cypress, TX, 77429

Phone No.: (713) 554-7820

E-mail Address: cthomas@undinellc.com

B. Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Ms.

Last Name, First Name: Carey Thomas

Title: VP

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Road

City, State, Zip Code: Cypress, TX, 77429

Phone No.: (713) 554-7820

E-mail Address: cthomas@undinellc.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Ms.

Last Name, First Name: Carey Thomas

Title: VP

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Road

City, State, Zip Code: Cypress, TX, 77429

Phone No.: ((713) 554-7820

E-mail Address: cthomas@undinellc.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: United States Post Office

Location within the building: Front Desk

Physical Address of Building: 301 S Business Highway 78

City: Blue Ridge

County: Collin

Contact (Last Name, First Name): Covey, Charles

Phone No.: (903) 271-8907 Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information **is required** for **new, major amendment, minor amendment or minor modification, and renewal** applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☒ Yes

☐ No

If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☒ Yes

☐ No

3. Do the students at these schools attend a bilingual education program at another location?

☐ Yes ☒ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: Attachment 02 10053 Administrative Report 1.0 Section 8.F

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: Attachment 03 10053 Administrative Report 1.0 Section 8.G

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN N/A

Search the TCEQ's Central Registry at <http://www15.tceq.texas.gov/crpub/> to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

The Acres at Desert Creek

C. Owner of treatment facility: Landvest Development, LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Attachment 04 10053 Administrative Report 1.0 Section 9.D

E. Owner of effluent disposal site:

Prefix: Mr.

Last Name, First Name: Covey, Charles

Title: President

Credential: Click to enter text.

Organization Name: Landvest Development, LLC

Mailing Address: PO Box 1387

City, State, Zip Code: McKinney, TX, 75070

Phone No.: (903) 271-8907

E-mail Address: charles@landvestdev.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant):

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text.

City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new permit application**, please give an accurate description:

The effluent disposal site is located 1,425' east of the intersection of County Road 584 and Hwy 160 and 1003' north of the southbound lane of Hwy 121.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

Through a six-inch pipe to outfall at 33°23'29.5903", -096°23'45.3596" into Desert Creek, >9 miles downstream to confluence with Pilot Grove Creek – segment 0821.

City nearest the outfall(s): Blue Ridge

County in which the outfalls(s) is/are located: Collin

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

- ☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: N/A

- D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A

Section 11. TLAP Disposal Information (Instructions Page 32)

- A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

N/A

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: [Click to enter text.](#)

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

N/A

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☒ Yes ☐ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Firoj Vahora

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☒ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☒ Other Attachments. Please specify: Attachment 07 10053 Administrative Report 1.0 Section 13 Lease Agreement, Attachment 08 10053 Administrative Report 1.0 Section 13 Step Tank Requirements

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: Click to enter text.

Applicant: Click to enter text.

Certification:

I 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.

I further certify that I am authorized under 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Click to enter text.

Signatory title: Click to enter text.

Signature: _____ Date: _____

(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this _____ day of _____, 20____.

My commission expires on the _____ day of _____, 20____.

Notary Public

[SEAL]

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark in which format the landowners list is submitted:
- ☐ USB Drive
 - ☐ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Collin County Central Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes
 - ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☒ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☐ Restrictive easement
- ☒ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: Attachment 14_10053_DWPASPI 1.0_SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)

5. APPLICATION INFORMATION

Name of Project or Site: [Click to enter text.](#)

Physical Address of Project or Site: [Click to enter text.](#)

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
*(Required for all application types. Must be completed in its entirety and signed.
 Note: Form may be signed by applicant representative.)*

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☐ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
*(Full-size map if seeking "New" permit.
 8 ½ x 11 acceptable for Renewals and Amendments)*

Current/Non-Expired, Executed Lease Agreement or Easement ☒ N/A ☐ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 - Blue Ink Preferred ☐ Yes
*(If signature page is not signed by an elected official or principle executive officer,
 a copy of signature authority/delegation letter must be attached)*

Plain Language Summary ☐ Yes