

# **Administrative Package Cover Page**

#### This file contains the following documents:

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

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

This template is a guide to assist applicant's in developing a plain language summary as required by 30 Texas Administrative Code Chapter 39 Subchapter H. Applicant's 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 blanks below to describe your facility and application. 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 Texas Administrative Code §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**

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 Texas Administrative Code 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.

3180 Maverick Investments LLC (CN603802075 ) operates Rush Gas Station RN106668221. a Shopping center with a gas station. The facility is located 4404 S FM 565, in Baytown, Chambers County, Texas 77523.

The application is for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day.

Discharges from the facility are expected to containfive-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and

Escherichia coli. The domestic wastewater is treated by a Submerged fixed bed biofilm reactor (SFBBR) operated as an attached biological system configured as a packaged plant. The treatment unit is self contained and consists of the following process units: influent pumps, influent fine screen, two Aerated fixed-bed biofilm tanks (BRTs, for Oxidation and Nitrification) equipped with diffusers and blowers, tube settler Final settling tank (TS-FST) with sludge and scum removal, chlorine contact tank (CCT) and Aerated Sludge Holding Tank (SHT). The treatment system also includes electric control panel, and disinfection apparatus. The pipe diameter at the discharge point is 4".

## **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



## NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT RENEWAL.

#### PERMIT NO. WQ0015245001

**APPLICATION.** 3180 Maverick Investments, L.L.C., 59 Crown Arbor, Sugar Land, Texas 77498, has applied to the Texas Commission on Environmental Quality (TCEQ) renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day. The domestic wastewater treatment facility is located at 4404 South Farm-to-Market 565 Road, Baytown, in Chambers County, Texas 77523. The discharge route is from the plant site to a ditch; thence to an unnamed natural ditch; thence to Cotton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay. TCEQ received this application on July 15, 2025. The permit application will be available for viewing and copying at Chambers County Court House, County Clerk Office, 404 Washington Avenue, Anahuac, in Chambers 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=-94.851388,29.796944&level=18

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 countywide 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.

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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 <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from 3180 Maverick Investments, L.L.C. at the address stated above or by calling Mr. Alex Khowaja, Landlord, at 713-894-9322.

Issuance Date: September 23, 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

July 15, 2025

Re: Confirmation of Submission of the Renewal without changes for Private Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Private Domestic Wastewater authorization.

ER Account Number: ER112461

Application Reference Number: 771050 Authorization Number: WQ0015245001 Site Name: Rush Gas Station WWTP Regulated Entity: RN106668221 - Rush

Customer(s): CN603802075 - 3180 Maverick Investments, L.L.C.

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**

Update Domestic or Industrial Individual Permit WQ0015245001

#### Site Information (Regulated Entity)

What is the name of the site to be authorized? RUSH GAS STATION WWTP

Does the site have a physical address?

**Physical Address** 

Number and Street 4404 S FM 565 RD

City BAYTOWN

State TX ZIP 77523

County CHAMBERS
Latitude (N) (##.#####) 29.796944
Longitude (W) (-###.######) -94.851388

Primary SIC Code
Secondary SIC Code
Primary NAICS Code

Secondary NAICS Code

Regulated Entity Site Information

What is the Regulated Entity's Number (RN)? RN106668221

What is the name of the Regulated Entity (RE)?

Does the RE site have a physical address?

Yes

**Physical Address** 

Number and Street 4404 S FM 565 RD

City BAYTOWN
State TX

ZIP 77523

County CHAMBERS
Latitude (N) (##.#####) 29.798611
Longitude (W) (-###.######) -94.850833

Facility NAICS Code

What is the primary business of this entity?

## 3180 MA-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?

Owner

What is the applicant's Customer Number (CN)?

CN603802075

Type of Customer

Corporation

Full legal name of the applicant:

Legal Name 3180 MAVERICK INVESTMENTS,

L.L.C.

Texas SOS Filing Number 800632359

Federal Tax ID

State Franchise Tax ID 32019429029

State Sales Tax ID Local Tax ID **DUNS Number** 

Number of Employees 0-20

Independently Owned and Operated?

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.

**Responsible Authority Contact** 

Organization Name 3180 MAVERICK INVESTMENTS,

L.L.C.

Yes

Prefix

First

Middle

Last Khowaja

Suffix

Credentials

Title Landlord

**Responsible Authority Mailing Address** 

Enter new address or copy one from list:

Address Type Domestic

Mailing Address (include Suite or Bldg. here, if applicable) 59 CROWN ARBOR

Routing (such as Mail Code, Dept., or Attn:)

City SUGAR LAND

State TX ZIP 77498

Phone (###-####) 7138949322

Extension

Alternate Phone (###-###-###)

Fax (###-###-###)

E-mail BANA276@GMAIL.COM

#### **Billing Contact**

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee. CN603802075, 3180 MAVERICK

INVESTMENTS, L.L.C.

Organization Name 3180 MAVERICK INVESTMENTS LLC

Prefix

First IQBAL

Middle

Last KHOWAJA

Suffix

Credentials

Title OWNER

Enter new address or copy one from list:

**Mailing Address** 

Address Type Domestic

Mailing Address (include Suite or Bldg. here, if applicable) 59 CROWN ARBOR

Routing (such as Mail Code, Dept., or Attn:)

City SUGAR LAND

State TX ZIP 77498

Phone (###-###) 7862824737

Extension

Alternate Phone (###-###-###)

Fax (###-###-###)

E-mail BANA276@GMAIL.COM

#### **Application Contact**

Person TCEQ should contact for questions about this application:

Same as another contact? CN603802075, 3180 MAVERICK

INVESTMENTS, L.L.C.

Organization Name 3180 MAVERICK INVESTMENTS,

L.L.C.

Prefix

First Alex

Middle

Last Khowaja

Suffix

Credentials

Title Landlord

Enter new address or copy one from list:

**Mailing Address** 

Address Type Domestic

Mailing Address (include Suite or Bldg. here, if applicable) 59 CROWN ARBOR

Routing (such as Mail Code, Dept., or Attn:)

City SUGAR LAND

State TX ZIP 77498

Phone (###-###) 7138949322

Extension

Alternate Phone (###-###-###)

Fax (###-###-###)

E-mail BANA276@GMAIL.COM

#### **Technical Contact**

Person TCEQ should contact for questions about this application:

Same as another contact? CN603802075, 3180 MAVERICK

INVESTMENTS, L.L.C.

Organization Name 3180 MAVERICK INVESTMENTS,

L.L.C.

Prefix MR First Alex

Middle

Last Khowaja

Suffix

Credentials

Title Landlord

Enter new address or copy one from list:

**Mailing Address** 

Address Type Domestic

Mailing Address (include Suite or Bldg. here, if applicable) 59 CROWN ARBOR

Routing (such as Mail Code, Dept., or Attn:)

City SUGAR LAND

State TX ZIP 77498

Phone (###-###) 7138949322

Extension

Alternate Phone (###-###-###)

Fax (###-###-###)

E-mail BANA276@GMAIL.COM

#### **DMR Contact**

## Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact? Technical Contact

Organization Name 3180 MAVERICK INVESTMENTS,

L.L.C.

Prefix MR First Harrison

Middle

Last Williams

Suffix

Credentials

Title DMR Contact

Enter new address or copy one from list:

**Mailing Address:** 

Address Type Domestic

Mailing Address (include Suite or Bldg. here, if applicable) PO BOX 690521

Routing (such as Mail Code, Dept., or Attn:)

City HOUSTON

State TX ZIP 77269

Phone (###-###) 8325348545

Extension

Alternate Phone (###-###-###)

Fax (###-###-###)

E-mail harrison.ftu@gmail.com

#### Section 1# Permit Contact

#### Permit Contact#: 1

#### Person TCEQ should contact throughout the permit term.

1) Same as another contact?

Application Contact

2) Organization Name 3180 MAVERICK INVESTMENTS,

L.L.C.

3) Prefix

4) First Alex

5) Middle

6) Last Khowaja

7) Suffix

8) Credentials

9) Title Landlord

**Mailing Address** 

10) Enter new address or copy one from list

11) Address Type Domestic

11.1) Mailing Address (include Suite or Bldg. here, if applicable) 59 CROWN ARBOR

11.2) Routing (such as Mail Code, Dept., or Attn:)

11.3) City SUGAR LAND

11.4) State TX 11.5) ZIP 77498

12) Phone (###-###) 7138949322

13) Extension

14) Alternate Phone (###-###-)

15) Fax (###-###-###)

16) E-mail bana276@gmail.com

#### Owner Information

#### **Owner of Treatment Facility**

1) Prefix

2) First and Last Name Iqbal Khowaja

3) Organization Name 3180 Maverick Investments LLC

4) Mailing Address 59 Crown Arbor

5) City sugar land

6) State TX 7) Zip Code 77498

8) Phone (###-####) 7138949322

9) Extension

10) Email bana276@gmail.com

11) What is ownership of the treatment facility? Private

#### Owner of Land (where treatment facility is or will be)

12) Prefix

13) First and Last Name Iqbal Khowaja

14) Organization Name 3180 Maverick Investments LLC

15) Mailing Address 59 Crown Arbor 16) City sugar land

17) State TX
18) Zip Code 77498

19) Phone (###-###) 7138949322

20) Extension

21) Email bana276@gmail.com

22) Is the landowner the same person as the facility owner or co-

applicant?

#### General Information Renewal-Amendment

08/31/2025 1) Current authorization expiration date: 2) Current Facility operational status: Active 3) Is the facility located on or does the treated effluent cross American No Indian Land? 4) What is the application type that you are seeking? Renewal without changes 5) Current Authorization type: Private Domestic Wastewater .015 5.1) What is the proposed total flow in MGD discharged at the facility? 5.2) Select the applicable fee < .05 MGD - Renewal - \$315 **TPDFS** 6) What is the classification for your authorization? 6.1) What is the EPA Identification Number? TX0135348 6.2) Is the wastewater treatment facility location in the existing permit Yes accurate? 6.3) Are the point(s) of discharge and the discharge route(s) in the Yes existing permit correct? 6.4) City nearest the outfall(s): cove 6.5) County where the outfalls are located: **CHAMBERS** 6.6) Is or will the treated wastewater discharge to a city, county, or state No highway right-of-way, or a flood control district drainage ditch? 6.7) Is the daily average discharge at your facility of 5 MGD or more? No 7) Did any person formerly employed by the TCEQ represent your No company and get paid for service regarding this application? **Public Notice Information Individual Publishing the Notices** 1) Prefix 2) First and Last Name Alex Khowaja 3) Credential 4) Title 5) Organization Name 59 CROWN ARBOR 6) Mailing Address 7) Address Line 2 8) City SUGAR LAND TX 9) State 77498 10) Zip Code 11) Phone (###-###-###) 7138949322 12) Extension 13) Fax (###-###-###) 14) Email bana276@gmail.com Contact person to be listed in the Notices 15) Prefix 16) First and Last Name Alex Khowaja 17) Credential 18) Title 19) Organization Name 3180 Maverick Investments LLC 20) Phone (###-###-###) 7138949322 21) Fax (###-###-###) 22) Email bana276@gmail.com **Bilingual Notice Requirements** 

No

23) Is a bilingual education program required by the Texas Education

Code at the elementary or middle school nearest to the facility or

#### Section 1# Public Viewing Information

County#: 1

1) County CHAMBERS

2) Public building name Chambers County Court House

3) Location within the building County Clerk Office

4) Physical Address of Building 404 Washington Avenue

5) City anahuac

6) Contact Name

7) Phone (###-####) 4092672418

8) Extension

9) Is the location open to the public?

#### Plain Language

Plain Language
 [File Properties]

File Name LANG\_PlainLanguage.docx

Hash 05B94F7C55C9F33664D97BA50D65C5122792D2AD9C39ECDE3CD4FAB67838740C

MIME-Type application/vnd.openxmlformats-

officedocument.wordprocessingml.document

#### Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name SPIF\_20971.docx

Hash 071690C892C51B4DDFCE7E3385786EBD04CED37849F17CD6375E0D31E64A71AF

MIME-Type application/vnd.openxmlformats-

officedocument.wordprocessingml.document

#### **Domestic Attachments**

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name MAP\_TX\_Cove\_20220713\_TM.jpg

Hash FFB15471CDB98905E5C80F1E85390CE17E87A142D30C074EA843F2623CB75418

MIME-Type image/jpeg

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.

Yes

2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and

Yes

included in the Technical Attachment.

. .

2.2) Are you planning to include Worksheet 2.1 (Stream Physical

Characteristics) in the Technical Attachment?

No

2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses No

Requirements) in the Technical Attachment?

2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing No

Requirements) in the Technical Attachment?

2.5) Are you planning to include Worksheet 7.0 (Class V Injection Well No

Inventory/Authorization Form) in the Technical Attachment?

2.6) Technical Attachment

[File Properties]

File Name TECH\_10054.docx

Hash 2555FA3C5F37A95A573772CC6305D8D0A5CAE77F3422535B369455A68B06B97A

MIME-Type application/vnd.openxmlformats-

officedocument.wordprocessingml.document

3) Buffer Zone Map

4) Flow Diagram

[File Properties]

File Name FLDIA\_Flow\_Diagram.jpg

Hash 9B8CB9C3B50E389E5ABE0041E3BC8662CD688BF9BEC034920B5790353CDEF167

MIME-Type image/jpeg

5) Site Drawing [File Properties]

File Name SITEDR\_3180\_Application\_2020\_9200408536.jpg

Hash 8A9BEA3EF8DF8A4E4D02B6E0E0664C975DBFEA14E2176B5B3D10D51D4FE75544

MIME-Type image/jpeg

[File Properties]

File Name SITEDR\_3180\_Application\_2020\_9200408536\_2.jpg

Hash 4C6B62D1BF55D367DBC0B1A9576189E8F189351DAB36730AEEC2F12E506F207F

MIME-Type image/jpeg

6) Design Calculations

[File Properties]

File Name DES\_CAL\_3180Design\_analysis\_AWS.pdf

Hash 52D603AB90AB5C5A08D294D19E54DFBBCD8CFF270BA164445417675B02A1BF86

MIME-Type application/pdf

7) Solids Management Plan

[File Properties]

File Name SMP\_Sludge\_Management.pdf

Hash 549622D64FFF6F1D41E96938AA08F8FAD82461AB6FE3C880EA1701F198D3FA2D

MIME-Type application/pdf

[File Properties]

File Name SMP\_SLUDGE\_Calculation.jpg

Hash 902E37A30BF66D219BE87219A021B92B91C748BC4804770B88B5F7165B5E6D73

MIME-Type image/jpeg

8) Water Balance

9) 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 Alex Khowaja, the owner of the STEERS account ER112461.
- 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 Update Domestic or Industrial Individual Permit WQ0015245001.
- 9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER	Signature:	Alex	Khowaja	OWNER
-------	------------	------	---------	-------

Customer Number: CN603802075

Legal Name: 3180 MAVERICK INVESTMENTS, L.L.C.

Account Number: ER112461
Signature IP Address: 98.199.221.169
Signature Date: 2025-04-30

 Signature Hash:
 77FD7B8543B68AE8DF05939F33CBA0296D940C86AEACC555D70C6FB482DD9A40

 Form Hash Code at time
 71453E3CEFDD89CF4BA0ABAAB94694FB61FD24FF5BB824B80AED2624F62DC266

of Signature:

#### Fee Payment

Transaction by:

The application fee payment transaction was made by ER112461/Alex Khowaja

Paid by:

The application fee was paid by ALEX KHOWAJA

Fee Amount:

\$300.00

Paid Date:

The application fee was paid on 2025-04-30

Transaction/Voucher number:

The transaction number is 582EA000666069 and the youcher number is 764700

#### Submission

Permit Number:

Reference Number:

Submitted by:

The application reference number is 771050

The application was submitted by ER112461/Alex Khowaja

Submitted Timestamp:

The application was submitted on 2025-07-15 at 13:25:41 CDT

Submitted From:

The application was submitted from IP address 98.199.221.169

Confirmation Number:

The confirmation number is 664780

Steers Version:

The STEERS version is 6.92

The permit number is WQ0015245001

## Additional Information

Application Creator: This account was created by Alex Khowaja

Average Oxput (Q<sub>a</sub>)
Paak Flow Factor
9005
73
NH3-H
TP
COO

Average Output (Qo.,)	kgpd 25	gpm 17,36	0.039	Notes	
Pesk Output (Q <sub>d,</sub> )	100	69.44	0.154		
M. T.		27	N-B-N	41	080
embent concentration [mg/t]	10	15	3	a	
Influent Concentration (mg/1)	300	300	99	0	
Influent Concentration (Ib/d))	62.61	62.61	12.52	000	
Influent Concentration [gr/d])	28425.0	28425.0	5685.0	0.0	0.0
DISIGN CRITERION:					
2	6r/m3/d	D/M/40	Value	Notes	
CBOD loading rate	9	0.00123	1.23*10^-3	from Schiege	
effluent at 5 mg/l		0.0009	0.90*10^3	from MT Garrett	
effluent at 10 mg/l	5.62	0.00115	1.15-10^3	from MT Garrett	
effluent at 20 mg/l		0.00229	2.29*10^.3	from MT Garrett	
emoent at 25 mg/l		0.00286	2.86*10^3	from MT Garrett	
entivent at 30 mg/l		0.0035	3.50*10*-3	from MT Garrett	
מווויפניו פו מי היווים		0.006	6.00*10^-3	from MT Garrett	
Media	m2/m3	de		-	
Brentwood (VF - 19 plus)	154	47		10000	Builded Octable
Rathig VF 190 +	2	47			for to may in 1.15 H
Brantwood (CF - 1920)	157	48			for 15 ma/ = 1 06.1
Rushig XF 48	157	4.8			for 30 me/l = 3.50 l
BRT2 - Mitrification					for 5 mg/l = 0.90 lb
MKE M Conding rate	B/1147/8	P/1s/dl	Value	Notes	The BOD loading ra
See Branch of the see	7	0.000410	0.41*104-3		
1155 £11	Leading rate (gpd/sf)			Money	The land
effluent at 5 mg/	175			2000	the paging rate is
effluent at 10 mg/l	240				
effluent at 15 mg/l	300				
effluent at 20 mg/l	400				
effluent at 30 mg/l	009				
effluent at 50 mg/l	Caca				

			equal to unit fixed width minus D.5 ft	equal to unit fased hidght minus 1.5 ft for freeboard allowance, 1 it beneath media and 0.8 ft over media		This is a Selected Value			use MWD for height							This length is selected not calculated				use MWD for height			SF is based on a ratio of the media regulred vs media arrowded			MARKET HAND A VICTOR OF THE PARK IN	NOW, E-WIND VALUETE DI LASSE UNE IS DESTE ON GEOSS UNIT DEMENTIONS (L.K.W.) X MEX Water Height, (MW.D.)	Note: Total Media volume provided for best-
5		7 7	. =	E	E 1	כ ש	ם ז	¥	T		N	p	2	2	E	æ	15	מ	æ	cl		7	<b>3</b>		E	τ	7	D
NAMES OF THE PERSON OF THE PER																												
		30570	1	55	18.5	33264	693	19	982		21180	451	7	5.5	11.7	18	32571	693	19	982	s etc.	65835	20.92%		38	2693	693	1386
	ation loading rate																				temperature change:							
PRIOCESS: BRT1 & BRT7 Total Media surface area	BRTZ - rititification Tank Media Surface Area Required NOTE: Lire designiffuent NH3-N concentration divided by Minification boading rate	Nitriftation Media Surface Area Required = Media Volume with Brentwood Media at 47 sf/ct	Media Width	Media regit	Use Media Lepath	Media Surface Area Provided	Media Volume Provided	BRT 2 Tank Length	BRT 2 Tank Fluid Volume	BRT1 - CBOD OxidationTank Media Surface Area Required	Iotal Meda Surface Area - Mitrification Surface Area	Media Volume with Brentwood Media at 47 st/cf	Wada Width	Media Height	Media Langth Required	Ose Media Length	Media Surface Area Provided	Media Volume Provided	DEN 1 (SIN LENGT)	BALL LIBITA MAIN VOILTIE	Safety factor provided due to variability of Influent concentration, temperature changes etc.	Total Media Surface Area provided	Safety Factors	BATT & BRT2	Total Tank Lengths (sum of both)	Media volume BRT 1	Media Volume BRT 2	Total Media Volume
Design Offerlan HITT and BP 72 Total Sufficient fund Ober des southern Land Stitute of Southern Control		Hydraulics Her Cerrity West	Stiffing Well	VASATAWAN	Mydraetic Detretion Fra																							

	Determine matched of some bottom poly tanks with maximum demoter of 7 test Act *** -3.145* (size 87.3  North Section 10 to 10	The detention (mire must be greater than Ob		Kee Unit Day's Rate for source of flow kriemston Ok s than TCCQ minimum value of 50 minutes	Note: Vision of Life Stif does nationed to equal Lin CCT for may effect foul design configuration			
	<b>हें त</b> सममन	ft Time (hrs) 4.9 1.2	2	gpm gpd minutes			sludge/lb 800 % of lb/day	lb/day lb/day ct/d ct/d days
	83 26. 26. 26. 18. 11. 11. 11. 11. 11. 11. 11. 11. 11	\$ 18000 1900000 190000 190000 1900000 1900000 1900000 19000000 1900000000		69 ALDRODO 20	7 ft 3.8 ft 6.8 ft 183 d 185 galons	0.5 shudge/lb BOD 0.45 sludge/lb BOD	0.45 3%	33.8 1327 63.2 17.8 10
FINAL SETTLING TANK	Suffice acres Reeq @ Cov Suffice acres Reeq @ Cov Suffice acres Reeq & Lis x Cov Models Begon of Lis Required Leight Durfies area Provided Tank Volume (E) Tank Volume (E)	Detection Time @ QTV   @ QTV + QText) @ QTV + QText)		Qpk Qpk Deteritor Tive	STUDGE HOLDING TAME  W W W W W W W W W W W W W W W W W W	Solids Production Schleget, 65 shud AWS Tests; 0.45 shu	Use Dry Solids ==	Solids Production subdge with weight shade with weight shade wolume deep Holding time
TO STATE OF THE PARTY OF THE PA	filth out that and the filth out that a filth out that the filth out the fi	ě	Design criterian CHIC Milit and Milit and Military Activities China Activities China Activities China	det Appe Street Frick ratio 17 West ST West ST West ST West STREET West	oth, Defending Tree			



CARLL BRASSON

A Compared to the compared t	revie. All according and mixing governs are adjuder regard model media							
Av. Dogs (regult) to 18 11.         7         11         Note: Av. Dogs (regult) to 18 4 width retins; 0.5 8 mode; 1 well of the state of	2,000							
Act	Air Drop Length for BRT2		1		-	2	Air Bron lanes	
All Design Leg History   All Design Leg Hist	Media Width		1		. 2		Bron dana no .	11 O'T THE STATE AND THE STATE OF THE STATE
All corp (see NET)   2   1   1   1   1   1   1   1   1   1	media Length		18					
Deliver Species   1	Air Drops (per 8RT2)		2		*	value	is selected as	Spacing = midboint of meda 409
# Characteristics	Diffuser Spacing		-		2			
A COO   Desire Court	# Clusters, Drop		1		tv		3	
Act are provided for BRT 2	# Diffusers/Custer		6		te			
At drap longs to early the sixt 1  At drap longs to early 1  At Done (see MX1)  At Done (	# Diffusers provided for BRT 2		921		Rr .			
Metable   Meta	5RT 1							
Media Walth   1	Air drop length for 8RT 1		7		5	Mode	Alr dron lange	her tank maleria melana D. Co.
Medic langth   15   17   17   17   17   17   17   17	Media Width		1		. =		di di	
An Done (see 117) 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Media Length		18					
Others Spece   1	Air Drops (per 88T1)		2					
# Contraction   1   120   2   2   # Contraction   2   2   # Contraction   2   2   2   # Contraction   2   2   2   # Contraction   2   2   # Contraction   3   3   # Contraction   3	Diffuser Spicing		-7					
B   Differentiation   1	# Clusters/Brop		7			Note	"chatter" for 9	structural intersibation and the significant of the significant of the significant of the significant
Mode Holding Teach   133   134   134   135   1	# Diffusers/Cluster		01		-			ADDRESS: NO. 17 LOSS STATES OF THE STATES OF
Miner   Fee B SET Lanks   252   Fee Fee B SET Lanks   252   Fee Fee Fee B SET Lanks   252   Fee Fee Fee Fee Fee Fee Fee Fee Fee F	Diffusers provided for BRT 1	-	26		*			55 0
Shader Hadding Each   A Doop Imptified to SetT   1	Total Diffusers For all BRT lanks	2	52		*	Note	Total for both	8473
All Despirate to 1517  Sett 'ength 3	Sludge Holding Tank							
String   S	Air Drop length lo: SMT		7		¥			
Avi desgle for the first of the	SHT Width		1.5		4			
An deso, leader species 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SHT Length		1		2			
Diluter Species	Air drops (per SHT)		1		10			
# Content of the second of the	Diffuser Spacing		-		- 2			
District Charge   7   8   8   8   8   8   8   8   8   8	# Clusters/Orop		1					
	# Diffuseri/Chater		1					
Total Different 301 Pote of Capacity for all Capacity for	Diffusers provided for SHT	The second	61					
Topic Demonster. Use 377 3200 familio Start 378 378 378 378 378 378 378 378 378 378	Total Diffusers	. 60	10					
178 2000 funito dum 178 178 178 178 178 178 178 178 178 178						Note:	air capecity for	all tanks (il Ascim design flow per diffuser = 2510 scim >> than required
1000 familio start 177	Stateg: Stock (Jamson Nomograph (attached) from 1300 to 2000 fu/min (sem)							
Fige Dieneter Use 378 2000 fonto start 378 378 378 378 378 378 378 378 378 378								
378 378 178 178 178 178 178 178 178 178 178 1	Determine Header Pipe Diameter Use			10001	pm to start			For Header Pipa use maximum air flow values for both BRT tanks tisnes 150%
1935 1840 1840 1840 1840 1840 1840 1840 1840	Air flow (cfm)	100	78		378		378	value salected at trial from mornograph based on time diameter
6 6.5 1 1 2 0.27 0.27 0.27 0.27 0.27 0.27 0.27 0.	Velocity (fpm)	19	25		1640		1414	
6 6.5 7	Area(sf)	0	20		0.23		0.27	
6 de	Diameter (in)	9			6.5		1	Diameters are trial values
0.20	St Header Pipe Dia (in)		-0					
	St Header Pipe Area (sf) Tubbe 6 x 5 area	9 6	200					

0.087 OK

2/1

Coubbed Spreadsheet

BRASSO 7799 ARE

1/79/2018

		24 p Role:	0.0016 in 0.0016 0.0016 1.12 in 0.0064			28 #		1.31 in 0.0096		0.039 cfs	12.00 in trul	12 ln	2,786 sf OK	0,05 fps DK		actual flow	0.003882268	0.154 0.154844835 0.332			0,00576138	0.231 0.23158639 0.39	
Q = 2.433.10 P.3.5 where "Q" is in cis and "It" is in it. Once	Sph S	Spacing O/C 6 inch No. of Welfs	0.094 R 0.093 R	37500 0.058 cfs		Spacing D/C 4 in No. of Weirs	0.063 ft	D. 109 M	0.15 fps TCEQ limit value					Actual Velocity »	Formula Q = 2.4383 MP2.5 where Q is in ris and H in th		25.0 gpd 0.039 cfs				37.5 gpd	150.0 gpd	
formula 10,000 god/Aft 10,000 god/Aft	Weir Length at Opk »	90 degree"V" natch weir		Qavx 1.5 =	Welr Langth at Opk =		Nape at Quv.								CCT Effluent Box 90 Deg "V" Weir		Oave Oate	CON .	pe, a se care	маре, и за црк ч	Qav x 1.5s		The state of the s

1/24/2018

or broking Spread

CARLE BRASSON
37799
6000 E Manage

1/19/2014

.

## **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

#### PERMIT NO. WQ0015245001

**APPLICATION.** 3180 Maverick Investments, L.L.C., 59 Crown Arbor, Sugar Land, Texas 77498, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day.

The domestic wastewater treatment facility is located at 4404 South Farm-to-Market Road 565, Baytown, in Chambers County, Texas 77523. The discharge route is from the plant site to an unnamed ditch; thence to an unnamed natural ditch; thence to Cotton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay.

The permit application is available for viewing and copying at Chambers County Courthouse, County Clerk's Office, 404 Washington Avenue, Anahuac, Texas. 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. <a href="https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.851388,29.796944&level=18">https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.851388,29.796944&level=18</a>

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 countywide 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. TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

**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 <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from 3180 Maverick Investments, L.L.C. at the address stated above or by calling Mr. Alex Khowaja at 713-894-9322.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

## FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:	26.	16 A 1 .	
Application type:Renewal			
County:		Number:	
Admin Complete Date:			
Agency Receiving SPIF:			
Texas Historical Commission			
Texas Parks and Wildlife Dep	artment U.S	. Army Corps of Enginee	rs
This form applies to TPDES permit a		structions, Page 53)	
Complete this form as a separate docu our agreement with EPA. If any of the is needed, we will contact you to provi each item completely.	items are not comple	etely addressed or further	r information
Do not refer to your response to any attachment for this form separately fr application will not be declared admin completed in its entirety including all may be directed to the Water Quality I email at <a href="WO-ARPTeam@tceq.texas.gov">WO-ARPTeam@tceq.texas.gov</a>	om the Administratively complete attachments. Questic Division's Application	ve Report of the applicati without this SPIF form be ons or comments concerr n Review and Processing	ion. The eing ning this form
The following applies to all application	ns:		
1. Permittee: <u>3180 Maverick Investme</u>	ents LLC		
Permit No. WQ00 WQ0015245001	EPA II	O No. TX TX0135348	
Address of the project (or a location and county):	on description that in	cludes street/highway, ci	ity/vicinity,
4404 South Farm-to-Market Road 565, B	aytown, in Chambers Co	unty, Texas 77523	

	e the name, address, phone and fax number of an individual that can be contacted to r specific questions about the property.
Prefix (	(Mr., Ms., Miss): <u>Mr</u>
First aı	nd Last Name: <u>Alex Khowaja</u>
Creden	ntial (P.E, P.G., Ph.D., etc.):
Title: <u>N</u>	Managing Member
Mailing	g Address: <u>59 Crown Arbor</u>
City, St	tate, Zip Code: <u>Sugar land, TX 77498</u>
Phone	No.: <u>713-894-9322</u> Ext.: Fax No.:
E-mail	Address: bana276@gmail.com
List the	e county in which the facility is located: <u>Chambers</u>
_	property is publicly owned and the owner is different than the permittee/applicant, list the owner of the property.
Click	here to enter text
D :1	
	e a description of the effluent discharge route. The discharge route must follow the flow tent from the point of discharge to the nearest major watercourse (from the point of
dischar	rge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify
	ssified segment number.
	scharge route is from the plant site to an unnamed ditch; thence to an unnamed natural ditch; thence ton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence
	Bayou; thence to Trinity Bay.
	provide a separate 7.5-minute USGS quadrangle map with the project boundaries d and a general location map showing the project area. Please highlight the discharge
route f	from the point of discharge for a distance of one mile downstream. (This map is
require	ed in addition to the map in the administrative report).
Provide	e original photographs of any structures 50 years or older on the property.
Does y	our 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
	ocaming caves, mactures, smixinores, omer karst reatures

2.3.

4.

5.

	☐ 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):
	Click here to enter text
2.	Describe existing disturbances, vegetation, and land use:
	Retail use
	IE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR MENDMENTS TO TPDES PERMITS
3.	List construction dates of all buildings and structures on the property:  2014 - construction of shopping center completed
4.	Provide a brief history of the property, and name of the architect/builder, if known.
	Property has been a shopping center established since 2014. No changes.



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY DOMESTIC WASTEWATER PERMIT APPLICATION

#### DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications Renewal, New, And Amendment

#### Section 1. Permitted or Proposed Flows (Instructions Page 51)

#### A. Existing/Interim I Phase

Design Flow (MGD): <u>0.015</u>

2-Hr Peak Flow (MGD): <u>0.060</u>

Estimated construction start date: 2018

Estimated waste disposal start date: Oct 2019

#### B. Interim II Phase

Design Flow (MGD):

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

#### C. Final Phase

Design Flow (MGD): .015

2-Hr Peak Flow (MGD): <u>0.060</u>

Estimated construction start date: 2018

Estimated waste disposal start date: Oct 2019

#### D. Current operating phase: <u>In Service</u>

Provide the startup date of the facility: February 1st 2020

## **Section 2. Treatment Process (Instructions Page 51)**

#### A. Treatment process description

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 in the permit, a description of** *each phase* **must be provided**. Process description:

The treatment unit is a Submerged fixed bed biofilm reactor (SFBBR) operated as anattached biological system configured as a packaged plant. The treatment unit is selfcontainedand consists of the following process units: influent pumps, influent fine screen,two Aerated fixed-bed biofilm tanks (BRTs, for Oxidation and Nitrification) equipped withdiffusers and blowers, Tube settler Final settling tank (TS-FST) with sludge and scum removal, chlorine contact tank (CCT) and Aerated Sludge Holding Tank (SHT). Thetreatment system also includes electric control panel, and disinfection apparatus. The pipe diameter at the discharge point is 4".OF

Port or pipe diameter at the discharge point, in inches: 4"

#### **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.

Treatment Unit Type Number of Units

WWTP 1 49' x 19' x 12'

Table 1.0(1) - Treatment Units

#### C. Process flow diagrams

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

**Attachment**: See attached Flow Diagram

## Section 3. Site Drawing (Instructions Page 52)

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: See attached Site Drawing

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

3180 Maverick I	nvestments LLCS - Shopping center
Section 4. Unb	ouilt Phases (Instructions Page 52)
Is the application	for a renewal of a permit that contains an unbuilt phase or
phases?	
Yes □	No ⊠
-	existing permit contain a phase that has not been constructed of being authorized by the TCEQ?  No   No
unbuilt phase. Fa	detailed discussion regarding the continued need for the illure to provide sufficient justification may result in the or recommending denial of the unbuilt phase or phases.
Click here to en	

Section 5. Closure Plans (instructions Page 53)	
Have any treatment units been taken out of service permanentl units be taken out of service in the next five years?  Yes □ No ⋈	y, or will any
If yes, was a closure plan submitted to the TCEQ?	
Yes □ No □	
If yes, provide a brief description of the closure and the date o	f plan approval.
Click here to enter text.	
Section 6. Permit Specific Requirements (Instruction	s Page 53)
For applicants with an existing permit, check the <i>Other Requ Special Provisions</i> of the permit.	irements or
A. Summary transmittal	
Have plans and specifications been approved for the existing each proposed phase?  Yes ☑ No □	g facilities and
If yes, provide the date(s) of approval for each phase: Octob	<u>er 2019</u>
Provide information, including dates, on any actions taken to requirement or provision pertaining to the submission of a stransmittal letter. Provide a copy of an approval letter from applicable.	summary
Click here to enter text.	
B. Buffer zones	
Have the buffer zone requirements been met?  Yes ☑ No □	
Provide information below, including dates, on any actions to conditions of the buffer zone. If available, provide any new or relevant to maintaining the buffer zones.	

Click here to enter text
C. Other actions required by the current permit
Does the <i>Other Requirements</i> or <i>Special Provisions</i> 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 $\square$ No $\boxtimes$
<b>If yes</b> , provide information below on the status of any actions taken to meet the conditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
Click here to enter text

#### 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.

Grease trap present and maintained on site
3. Grit disposal
Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal? Yes $\square$ No $\boxtimes$
<b>If No</b> , contact the TCEQ Municipal Solid Waste team at 512-239-0000. 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.  Dumpster/Removal service
Dumpster/Removar service
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 512-239-0000.
Describe how the decant and grease are treated and disposed of after grit separation.
Scavenger
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 □
<b>If no to both of the above</b> , 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 or TXRNE
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:
Click here to enter text.
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.

Click here to enter text.	
5. Zero stormwater discharge	
Do you intend to have no discharge of stormwater via use of evolution other means?  Yes  No	aporation or
If yes, explain below then skip to Subsection F. Other Wastes Re	eceived.

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.

Click here to enter text
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 $\square$ No $\boxtimes$
If yes, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.
G. Other wastes received including sludge from other WWTPs and septic waste
1. Acceptance of sludge from other WWTPs
Does the facility accept or will it accept sludge from other treatment plants at the facility site? Yes $\square$ No $\boxtimes$
If yes, attach sewage sludge solids management plan. See Example 5 of the instructions.
In addition, provide the date that the plant started accepting sludge or is anticipated to start accepting sludge, an estimate of monthly sludge
acceptance (gallons or millions of gallons), an estimate of the BOD <sub>5</sub>
concentration of the sludge, and the design BOD <sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
Click here 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 a the date that the plant started accepting septic waste, 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.
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 the facility accepting or will it accept wastes that are not domestic in nature excluding the categories listed above?

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.

Click here	to enter te	ext.

# Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

Is the facility in operation? Yes  $\boxtimes$  No  $\square$ 

**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).

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

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

Pollutant	Average	Max	No. of	Sample	Sample
lonutant	Conc.	Conc.	Samples	Type	Date/Time
CBOD <sub>5</sub> , mg/l	No Discha	rge			
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					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml)					

Pollutant	Average	Max	No. of	Sample	Sample
Tonutant	Conc.	Conc.	Samples	Type	Date/Time
saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity,					
μmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

<sup>\*</sup>TPDES permits only

†TLAP permits only

Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities

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

# Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: <u>James Williams</u>

Facility Operator's License Classification and Level: <u>WWOL - Operator B</u>

Facility Operator's License Number: wwo042074

# Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

# A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the

followi	ing list. Check all that apply.						
	Permitted landfill						
	Permitted or Registered land application site for beneficial use						
	Land application for beneficial use authorized in the wastewater permit						
$\boxtimes$	Permitted sludge processing facility						
	Marketing and distribution as authorized in the wastewater permit						
	Composting as authorized in the wastewater permit						
	Permitted surface disposal site (sludge monofill)						
	Surface disposal site (sludge monofill) authorized in the wastewater						
	permit						
	Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.						
	Other: Click here to enter text.						
В. 5	Sludge disposal site						
	al site name: <u>VARIOUS - WASTE MGMT; REPUBLIC;</u>						
TCEQ ]	permit or registration number: <u>24028</u>						
County	where disposal site is located: <u>HARRIS</u>						
C. 9	Sludge transportation method						
Method	d of transportation (truck, train, pipe, other): <u>TRUCK</u>						
Name	of the hauler: <u>SLUDGENET</u>						
Hauler	registration number: <u>1756576</u>						
Sludge	is transported as a:						
]	Liquid $\square$ semi-liquid $\square$ semi-solid $\boxtimes$ solid $\square$						

# Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

# A. Beneficial use authorization

A. Beneficial use authorization		
Does the existing permit include authorization for sludge for beneficial use?  Yes □ No ⊠	or land appl	ication of sewage
<b>If yes</b> , are you requesting to continue this authorsludge for beneficial use?  Yes □ No ⊠	rization to l	and apply sewage
If yes, is the completed <b>Application for Permit f</b> Sewage Sludge (TCEQ Form No. 10451) attached the instructions for details)?  Yes □ No ⊠		
B. Sludge processing authorization		
Does the existing permit include authorization for processing, storage or disposal options?	or any of the	e following sludge
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 continue this authorization, is the completed <b>Do:</b> Application: Sewage Sludge Technical Report (Tattached to this permit application?  Yes No	mestic Was	tewater Permit
Section 11. Sewage Sludge Lagoons (	Instructio	ns Page 61)
Does this facility include sewage sludge lagor	ons?	
Yes □ No ⊠		
If yes, complete the remainder of this section	. If no, proc	reed 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.

P	otassium, mg/kg:
p	oH, standard units: Click here to enter text
A	ammonia Nitrogen mg/kg:
A	arsenic: Click here to enter text
(	Cadmium: Click here to enter text.
C	Chromium: Click here to enter text
C	Copper: Mak here to enter text
L	ead: Click here to enter text
N	fercury:
N	Molybdenum:
N	lickel: Mick here to enter text
S	elenium: Thek here to enter text
Z	inc: Click here to enter text.
T	otal PCBs:
	ide the following information:  Tolume and frequency of sludge to the lagoon(s):
T	Total dry tons stored in the lagoons(s) per 365-day period:
Τ	Total dry tons stored in the lagoons(s) over the life of the unit:
C	. Liner information
hydr	the active/proposed sludge lagoon(s) have a liner with a maximum aulic conductivity of $1x10^{-7}$ cm/sec? Yes $\square$ No $\square$
If ye	<b>s</b> , describe the liner below. Please note that a liner is required.
Clic	k here to enter text.

# D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the

lagoon(s):
Click here to enter text.
Attach the following documents to the application.
Plan view and cross-section of the sludge lagoon(s)
Attachment: Click here to enter text
• Copy of the closure plan
Attachment: Make to the territory of the
<ul> <li>Copy of deed recordation for the site</li> </ul>
Attachment: Makhere to enter text
<ul> <li>Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons</li> </ul>
Attachment: Makhere to enter text
• Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: Makhara to enter text
<ul> <li>Procedures to prevent the occurrence of nuisance conditions</li> </ul>
Attachment: Click here to enter text
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: Wok here to enter text

# Section 12. Authorizations/Compliance/Enforcement

# (Instructions Page 63)

A. Additional authorizations
Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?  Yes  No
<b>If yes</b> , provide the TCEQ authorization number and description of the authorization:
Click here to enter text.
B. Permittee enforcement status
Is the permittee currently under enforcement for this facility? Yes $\square$ No $\square$
Is the permittee required to meet an implementation schedule for compliance or enforcement?  Yes  No
<b>If yes</b> to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:
Click here to enter text.
Section 13. RCRA/CERCLA Wastes (Instructions Page 63)
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:			

# Section 14. Laboratory Accreditation (Instructions Page 64)

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:
  - o 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
  - o 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:	
Title: _	
Signature:	
Date:	-

# DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

# Section 1. Justification for Permit (Instructions Page 66)

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.

. •	COLI	CCOIIIII	CHAILS	acina	OI CIIC	PIO	pooca	pridoc	(0) $01$	PCIIII.
	Click	here to	enter i	text.						

# B. Regionalization of facilities

A Justification of normit need

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:

If yes, attach correspondence from the city.

Attachment:

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:

# 2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?
Yes □ No ⊠
<b>If yes</b> , 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: Mak here to enter text
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 $\square$ No $\square$
If yes, attach a list of these facilities that includes the permittee's name and permit number, and an area map showing the location of these facilities.
Attachment: Make here to enter text
<b>If yes</b> , attach copies of your certified letters to these facilities <b>and</b> their response letters concerning connection with their system.
Attachment: Mak here to enter text
Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?  Yes $\square$ No $\square$
If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.
Attachment:
Section 2. Organic Loading (Instructions Page 67)
Is this facility in operation?
Yes ⊠ No □

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

A. Current organic loading
Facility Design Flow (flow being requested in application):

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l:

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34):

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

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

## B. Proposed organic loading

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 <sub>5</sub> Concentration (mg/l)
Municipality		
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria		
and showers		
School with cafeteria,		

Source	Total Average Flow (MGD)	Influent BOD <sub>5</sub> Concentration (mg/l)
no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or		
factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all		
sources		
AVERAGE BOD <sub>5</sub> from all sources		

# Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

# A. Existing/Interim I Phase Design Effluent Quality

. I Emoting, interim 11 mass 2 coldinations (united)
Biochemical Oxygen Demand (5-day), mg/l:
Total Suspended Solids, mg/l:
Ammonia Nitrogen, mg/l:
Total Phosphorus, mg/l:
Dissolved Oxygen, mg/l:

Other: Click here to enter text
B. Interim II Phase Design Effluent Quality Biochemical Oxygen Demand (5-day), mg/l:
Total Suspended Solids, mg/l:
Ammonia Nitrogen, mg/l:
Total Phosphorus, mg/l:
Dissolved Oxygen, mg/l:
Other: Click here to enter text
C. Final Phase Design Effluent Quality
Biochemical Oxygen Demand (5-day), mg/l:
Total Suspended Solids, mg/l:
Ammonia Nitrogen, mg/l:
Total Phosphorus, mg/l:
Dissolved Oxygen, mg/l:
Other: Click here to enter text
D. Disinfection Method
Identify the proposed method of disinfection.
☐ Chlorine: mg/l after minutes detention time at peak flow
Dechlorination process:
☐ Ultraviolet Light: seconds contact time at peak flow
□ Other: Click here to enter text
Section 4. Design Calculations (Instructions Page 68)
Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.
Attachment:

# Section 5. Facility Site (Instructions Page 68)

A. 100-year floodplain
Will the proposed facilities be located <u>above</u> the 100-year frequency flood level?
Yes □ No □
<b>If no</b> , 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.
Click here to enter text
Provide the source(s) used to determine 100-year frequency flood plain.
Click here to enter text.
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:
<b>If no,</b> provide the approximate date you anticipate submitting your application to the Corps:
B. Wind rose
Attach a wind rose. Attachment:

# Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

# 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)  Attachment:
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 a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

# Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)

Attach a solids management plan to the application.

Attachment:

Attachment:

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 TECHNICAL REPORT WORKSHEET 2.0**

### **RECEIVING WATERS**

The following is required for all TPDES permit applications

# Section 1. Domestic Drinking Water Supply (Instructions Page 73)

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 yes, provide the following: Owner of the drinking water supply:
Distance and direction to the intake:
Attach a USGS map that identifies the location of the intake.
Attachment: Click here to enter text.
Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)  Does the facility discharge into tidally affected waters?
Yes □ No ☑  If yes, complete the remainder of this section. If no, proceed to Section 3.
<b>A. Receiving water outfall</b> Width of the receiving water at the outfall, in feet: <u>15</u>
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 here to enter text.

C. Se	Sea grasses	
Are	e there any sea grasses within the vicinity of the point of discharge?	
	Yes □ No ⊠	
If yo	<b>'es</b> , provide the distance and direction from the outfall(s).	
Cli	ick here to enter text.	
Section	on 3. Classified Segments (Instructions Page 73)	
Is the d	discharge directly into (or within 300 feet of) a classified segment?	
	Yes □ No ⊠	
If yes, t	this Worksheet is complete.	
If no, co	complete Sections 4 and 5 of this Worksheet.	
	on 4. Description of Immediate Receiving Waters Instructions Page 75)	
Nan	me of the immediate receiving waters:	
A. R	Receiving water type	
Ider	ntify the appropriate description of the receiving waters.	
	Stream	
	Freshwater Swamp or Marsh	
	Lake or Pond	
	Surface area, in acres:	
	Average depth of the entire water body, in feet:	
	Average depth of water body within a 500-foot radius of discharge point, in feet:	

Man-made Channel or Ditch

 $\boxtimes$ 

	Open Bay
	Tidal Stream, Bayou, or Marsh
	Other, specify:
<b>B. F</b> ]	low characteristics
followir characte	am, man-made channel or ditch was checked above, provide the ag. For existing discharges, check one of the following that best erizes the area <i>upstream</i> of the discharge. For new discharges, erize the area <i>downstream</i> 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
	he method used to characterize the area upstream (or downstream for chargers). USGS flow records
$\boxtimes$	Historical observation by adjacent landowners
	Personal observation
	Other, specify:
C. D	ownstream perennial confluences
three m	names of all perennial streams that join the receiving water within iles downstream of the discharge point.  TTON BAYOU
D. D	ownstream characteristics
	receiving water characteristics change within three miles downstream of harge (e.g., natural or man-made dams, ponds, reservoirs, etc.)? Yes $\boxtimes$ No $\square$
If yes, d	liscuss how.

WIDEN	NS AT COTTON BAYOU			
E. N	Normal dry weather chara	cteristi	cs	
Provide conditi		ne wate	r body during normal dry weather	
DRY				
	nd time of observation:	ck here	to enter text	
Was the	e water body influenced by	storm'	water runoff during observations?	
	Yes □ No ⊠			
	on 5. General Character Page 74)	ristics	of the Waterbody (Instructions	
	Jpstream influences			
Is the i	mmediate receiving water i	_	m of the discharge or proposed ollowing? Check all that apply.	
	Oil field activities		Urban runoff	
	Upstream discharges		Agricultural runoff	
	Septic tanks	$\boxtimes$	Other(s), specify <u>DRAINAGE</u>	
B. V	Waterbody uses			
Observ	ed or evidences of the follo	owing u	ises. Check all that apply.	
	Livestock watering		Contact recreation	
	Irrigation withdrawal		Non-contact recreation	
	Fishing		Navigation	

	Domestic water supply		Industrial water supply
	Park activities	$\boxtimes$	Other(s), specify <u>DRAINAGE</u>
C. V	Vaterbody aesthetics		
	ck one of the following that eiving water and the surroun		describes the aesthetics of the area.
	Wilderness: outstanding natarea; water clarity exception		beauty; usually wooded or unpastured
	•		e vegetation; some development lwellings); water clarity discolored
$\boxtimes$	Common Setting: not offen be colored or turbid	sive;	developed but uncluttered; water may
	Offensive: stream does not developed; dumping areas;		nce aesthetics; cluttered; highly er discolored

# **DOMESTIC 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 Informa	tion (Instructions Page 75)		
Date of study:	ck here to enter text.	Time of study:		
Stream name:	k here to enter text.			
Location:	re to enter text.			
Type of stream upstream of existing discharge or downstream of proposed discharge (check one).				
,	Perennial	Intermittent with perennial pools		
TCEQ-10054 (06/01/2	2017)	Page <b>32</b> of <b>80</b>		

Section 2. Data Collection (Instructions Page 75)						
Number of stream bends that are well defined:						
Number of stream bends that are moderately defined:						
Number of stream bends that are poorly defined:						
Number of riffles:						
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 here 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.			

Stream type			Stream depths (ft)		
at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (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.					
Section 3. Summarize Measurements (Instructions Page 76) Streambed slope of entire reach, from USGS map in feet/feet:					
Approximate dra	Approximate drainage area above the most downstream transect (from USGS				

# Streambed slope of entire reach, from USGS map in feet/feet: Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): Length of stream evaluated, in feet: Number of lateral transects made: Average stream width, in feet: Average stream depth, in feet: Average stream velocity, in feet/second:

Instantaneous stream flow, in cubic feet/seco	nd: Click here to enter text
Indicate flow measurement method (type of n fixed distance, etc.):	neter, floating chip timed over a
Size of pools (large, small, moderate, none):	lick here to enter text.
Maximum pool depth, in feet:	iter text

# **DOMESTIC WORKSHEET 3.0**

### LAND DISPOSAL OF EFFLUENT

# The following is required for all permit applications Renewal, New, and Amendments

# Section 1. Type of Disposal System (Instructions Page 77)

Ident	ify the method of land dispos	al:	
	Surface application		Subsurface application
	Irrigation		Subsurface soils absorption
	Drip irrigation system		Subsurface area drip dispersal system
	Evaporation		
	Evapotranspiration beds		
	Other (describe in detail):		ere to enter text.
	E: All applicants without aut urface disposal MUST comple		zation or proposing new/amended nd submit Worksheet 7.0.
For existing authorizations, provide Registration Number:			

# Section 2. Land Application Site(s) (Instructions Page 77)

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

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

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

# Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 77)

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 <sup>1</sup>	

# Section 4. Flood and Runoff Protection (Instructions Page 77)

Is the land application site <u>within</u> the 100-year frequency flood level?				
	Yes □	No □		
If yes,	describe how the	site will be protected from inundation.		
Click h	iere to enter text			

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

Click here to enter text.
Provide a description of tailwater controls and rainfall run-on controls used for the land application site.
Click here to enter text.

# Section 5. Annual Cropping Plan (Instructions Page 77)

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:

- 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 78)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation (on a separate page) indicating why.

### Attachment:

- 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 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 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.

Δ	tta	ck	m	ΔY	٦t٠	
_	ııa	u				

# Section 7. Groundwater Quality (Instructions Page 79)

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 here to enter text
Are groundwater monitoring wells available onsite? Yes $\square$ No $\square$
Do you plan to install ground water monitoring wells or lysimeters around the land application site? Yes $\square$ No $\square$
<b>If yes</b> , then provide the proposed location of the monitoring wells or lysimeters on a site map.
Attachment: Click here to enter text
Section 8. Soil Map and Soil Analyses (Instructions Page 79)
A. Soil map
Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.
Attachment: Click here to enter text.
B. Soil analyses
Attach the laboratory results sheets from the soil analyses. <b>Note</b> : 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:
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

	Depth		Available	Curve
Soil Series	from	Permeability	Water	Number
	Surface		Capacity	

# Section 9. Effluent Monitoring Data (Instructions Page 80)

Is the facili	ity in	opera	tion
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

Date	30 Day Avg Flow MGD	BOD <sub>5</sub> mg/l	TSS mg/l	рН	Chlorine Residual mg/l	Acres irrigated

Date	30 Day Avg Flow MGD	BOD <sub>5</sub>	TSS mg/l	рН	Chlorine Residual mg/l	Acres irrigated
. 1 1.		11 .				rmitted limits a

Provide a discussion of all persistent excursions above the permitted	l limits and
any corrective actions taken.	
Click here to enter text.	

#### **DOMESTIC WORKSHEET 3.1**

#### SURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment applications.

Renewal and minor amendments applicants may be asked for the worksheet on a case by case basis.

## Section 1. Surface Disposal (Instructions Page 81)

Complete the item that applies for the method of disposal being used.

A. Irrigation
Area under irrigation, in acres:
Design application frequency:
hours/day And days/week
enter text
Land grade (slope):
average percent (%):
maximum percent (%):
Design application rate in acre-feet/acre/year:
Design total nitrogen loading rate, in lbs N/acre/year:
ext.
Soil conductivity (mmhos/cm):
Method of application:
Attach a separate engineering report with the water balance and storage volume calculations, method of application, irrigation efficiency, and nitrogen balance.
Attachment:
B. Evaporation ponds
Daily average effluent flow into ponds, in gallons per day:

Attach a separate engineering report with the water balance and storage volume calculations.
Attachment: Click here to enter text
C. Evapotranspiration beds
Number of beds:
Area of bed(s), in acres:
Depth of bed(s), in feet:
Void ratio of soil in the beds:
Storage volume within the beds, in acre-feet:
Attach a separate engineering report with the water balance and storage volume calculations, and a description of the lining.
Attachment:
D. Overland flow
Area used for application, in acres:
Slopes for application area, percent (%):
Design application rate, in gpm/foot of slope width:
Slope length, in feet:
Design BOD <sub>5</sub> loading rate, in lbs BOD <sub>5</sub> /acre/day:
Design application frequency:
hours/day: And days/week:
enter text.
Attach a separate engineering report with the method of application and design requirements according to 30 TAC Chapter 217.
Attachment:
Section 2. Edwards Aquifer (Instructions Page 82)
Is the facility subject to 30 TAC Chapter 213, Edwards Aquifer Rules?
Yes □ No □

If yes, attach a report of	concerning the recharge zone.
Attachment:	lick here to enter text.

#### **DOMESTIC WORKSHEET 3.2**

#### SUBSURFACE LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment applications.

Renewal and minor amendments may require 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 83)

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:				
Application area, in acres:				
Area of drainfield, in square feet:				
Application rate, in gal/square foot/day:				
Depth to groundwater, in feet:				
Area of trench, in square feet:				
Dosing duration per area, in hours:				
Number of beds:				
Dosing amount per area, in inches/day:				
Infiltration rate, in inches/hour:				
Storage volume, in gallons:				
Area of bed(s), in square feet:				

Soil Classification:
Attach a separate engineering report with the information required in $30$ $TAC \ S \ 309.20$ , excluding the requirements of $\ S \ 309.20$ b(3)(A) and (B) designantly analysis which may be asked for on a case by case basis. Include a description of the schedule of dosing basin rotation.
Attachment:
Section 2. Edwards Aquifer (Instructions Page 83)
Is the subsurface system located on the Edwards Aquifer Recharge Zone as mapped by the TCEQ? Yes $\square$ No $\square$
Is the subsurface system located on the Edwards Aquifer Transition Zone a mapped by the TCEQ? Yes $\square$
<b>If yes to either question</b> , the subsurface system may be prohibited by <i>30 TAC §213.8</i> . Please call the Municipal Permits Team, at 512-239-4671, to schedule a pre-application meeting.

#### **DOMESTIC WORKSHEET 3.3**

## SUBSURFACE AREA DRIP DISPERSAL SYSTEM (SADDS) LAND DISPOSAL OF EFFLUENT

The following is required for new and major amendment subsurface area drip dispersal system applications. Renewal and minor amendments may require the worksheet on a case by case basis.

NOTE: All applicants proposing new or 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 84)

	ction 1. Hammistrative information (instructions ruge or)
<b>A.</b>	Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility.
	Click here to enter text.
B.	Is the owner of the land where the treatment facility is located the same as the owner of the treatment facility?
	Yes □ No □
	If <b>no</b> , 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 here to enter text.
C.	Owner of the subsurface area drip dispersal system:
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 <b>no</b> , 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 here to enter text.

E.	Owner of the land where the subsurface area drip dispersal system is located:				
	Click here 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 <b>no</b> , 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 here to enter text.				
Se	ction 2. Subsurface Area Drip Dispersal System (Instructions Page 84)				
	A. Type of system				
	□ Subsurface Drip Irrigation				
	□ Surface Drip Irrigation				
	□ Other, specify: □ Other to enter text				
	B. Irrigation operations				
	Application area, in acres:				
	Infiltration Rate, in inches/hour:				
	Average slope of the application area, percent (%):				
	Maximum slope of the application area, percent (%):				
	Storage volume, in gallons:				
	Major soil series: Mak here to enter text				
	Depth to groundwater, in feet:				
	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

TCEQ-10054 (06/01/2017) Domestic Wastewater Permit Application, Technical Reports

season grasses during the winter months (October-March)?  Yes  No  No
<b>If yes</b> , then the facility may propose a hydraulic application rate not to exceed 0.1 gal/square foot/day.
Is the facility located <b>east</b> of the boundary shown in <i>30 TAC § 222.83</i> <b>or</b> in any part of the state when the vegetative cover is any crop other than non-native grasses?
Yes □ No □
If <b>yes</b> , the facility must use the formula in <i>30 TAC §222.83</i> 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:
Nitrogen application rate, in lbs/gal/day:
D. Dosing information
Number of doses per day:
Dosing duration per area, in hours:
Rest period between doses, in hours:
Dosing amount per area, in inches/day:
Number of zones:
Does the proposed subsurface drip irrigation system use tree vegetative cover as a crop?
Yes □ No □
If <b>yes</b> , provide a vegetation survey by a certified arborist. Please call the Water Quality Assessment Team at (512) 239-4671 to schedule a preapplication meeting.
application meeting.

## Section 3. Required Plans (Instructions Page 84)

A. Recharge feature plan
Attach a Recharge Feature Plan with all information required in 30 TAC
§222.79.
Attachment: Wick here to enter text
B. Soil evaluation
Attach a Soil Evaluation with all information required in 30 TAC §222.73.
Attachment: Click here to enter text
C. Site preparation plan
Attach a Site Preparation Plan with all information required in $30\ TAC$ §222.75.
Attachment: Click here to enter text
D. Soil sampling/testing
Attach soil sampling and testing that includes all information required in 30 TAC §222.157.
Attachment: Mick here to enter text
Section 4. Floodway Designation (Instructions Page 85)
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:
Section 5. Surface Waters in the State (Instructions Page 85)

#### A. Buffer Map

Attach a map showing appropriate buffers on surface waters in the state, water wells, and springs/seeps.

	Attachment:
	B. Buffer variance request
	Do you plan to request a buffer variance from water wells or waters in the
	state?
	Yes □ No □
	<b>If yes</b> , then attach the additional information required in <i>30 TAC §</i> 222.81(c).
	Attachment: Click here to enter text
Se	ection 6. Edwards Aquifer (Instructions Page 85)
Α.	Is the SADDS located on the Edwards Aquifer Recharge Zone as mapped by the TCEQ?
	Yes □ No □
В.	Is the SADDS located on the Edwards Aquifer Transition Zone as mapped by the TCEQ?
	Yes □ No □
	<b>If yes to either question</b> , then the SADDS may be prohibited by <i>30 TAC §213.8</i> . Please call the Municipal Permits Team at 512-239-4671 to schedule a pre-application meeting.

#### **DOMESTIC WORKSHEET 4.0**

#### POLLUTANT ANALYSES 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 for minor amendments without renewal

### Section 1. Toxic Pollutants (Instructions Page 87)

For pollutants identified in Table 4.0(1), indicate the type of sample.				
Grab □	Composite □			
Date and time samp	ole(s) collected:			

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

Pollutant	AVG Effluent Conc. (μg/l)	MAX Effluent Conc. (μg/l)	Number of Samples	MAL (μg/l)
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
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

Pollutant	AVG Effluent Conc. (μg/l)	MAX Effluent Conc. (μg/l)	Number of Samples	MAL (μg/l)
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

	AVG	MAX	37 1	
Dall-stand	Effluent	Effluent	Number of	MAL
Pollutant	Conc.	Conc.		(µg/l)
	(µg/l)	(µg/l)	Samples	
Diuron				0.09
Endosulfan I (alpha)				0.01
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				0.05
(Lindane)				
Hexachlorocyclopentadiene				10
Hexachloroethane				20
Hexachlorophene				10
Lead				0.5
Malathion				0.1

	AVG	MAX	NT 1	
Dallestont	Effluent	Effluent	Number	MAL
Pollutant	Conc.	Conc.	of Samples	(µg/l)
	(µg/l)	(µg/l)	Samples	
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
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (μg/l)	Number of Samples	MAL (μg/l)
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

<sup>(\*1)</sup> Determined by subtracting hexavalent Cr from total Cr.

<sup>(\*2)</sup> Cyanide, amenable to chlorination or weak-acid dissociable.

<sup>(\*3)</sup> The sum of seven PCB congeners 1242, 1254, 1221, 1232, 1248, 1260, and 1016.

## Section 2. Priority Pollutants

For pollutants ident	ified in Tables $4.0(2)$ A-E, indicate type of sample.
Grab □	Composite □
Date and time samp	le(s) collected:

Table 4.0(2)A - Metals, Cyanide, 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

<sup>(\*1)</sup> 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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
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
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

Pollutant	AVG Effluent Conc. (µg/l)	MAX Effluent Conc. (µg/l)	Number of Samples	MAL (μg/l)
PCB-1248				0.2
PCB-1260				0.2
PCB-1016				0.2
Toxaphene				0.3

<sup>\*</sup>For PCBS, if all are non-detects, enter the highest non-detect preceded by a "<".

## Sec

cti	on 3. Dioxin/Furan Compounds
Α.	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 here to enter text.

В.	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	<b>yes</b> , provide a brief description of the conditions for its presence.
	llick here to enter text.
	any of the compounds in Subsection A $\operatorname{or}$ B are present, complete Table 0(2)F.
Fo	or pollutants identified in Table 4.0(2)F, indicate the type of sample.
	Grab □ Composite □
Da	ate and time sample(s) collected:

### TABLE 4.0(2)F - DIOXIN/FURAN COMPOUNDS

Compound	Toxic Equivalency 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	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	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					0.5
PCB 81	0.0003					0.5

Compound	Toxic Equivalency Factors	Wastewater Concentration (ppq)	Wastewater Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Equivalents (ppt)	MAL (ppq)
PCB 126	0.1					0.5
PCB 169	0.03					0.5
Total						

#### **DOMESTIC WORKSHEET 5.0**

#### TOXICITY TESTING REQUIREMENTS

The following is required for facilities with a currently-operating design flow greater than or equal to 1.0 MGD, with an EPA-approved pretreatment program (or those that are required to have one under 40 CFR Part 403), or are required by the TCEQ to perform Whole Effluent Toxicity testing. This worksheet is not required for minor amendments without renewal.

Section 1. Required Tests (Instructions Page 97)
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:
48-hour Acute: Mak here to annor toxi
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 □
<b>If yes</b> , describe the progress to date, if applicable, in identifying and confirming the toxicant.
Click here 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 WORKSHEET 6.0**

#### INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works (POTWs)

### Section 1. All POTWs (Instructions Page 99)

If there are no users, enter 0 (zero).

#### A. Industrial users

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.

Categorical IUs:
Number of IUs:
Average Daily Flows, in MGD:
Significant IUs - non-categorical:
Number of IUs:
Average Daily Flows, in MGD:
Other IUs:
Number of IUs:
Average Daily Flows, in MGD:
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 here 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 here 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.
<b>If no to either question above</b> , skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.
Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 100)
A. Substantial modifications
Have there been any <b>substantial modifications</b> 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.

Chek here to enter text.
B. Non-substantial modifications
Have there been any <b>non-substantial modifications</b> 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 here to enter text.
C. Efficient representate above the MAI

#### 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 □
<b>If yes</b> , identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.
Click here to enter text.
Section 3. Significant Industrial User (SIU) Information and
Categorical Industrial User (CIU) (Instructions Page 100)
A. General information
Company Name:
SIC Code: Click here to enter text
Telephone number: Fax number:
Text
Contact name:
Address:
City, State, and Zip Code:
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 here to enter text.

#### C. Product and service information

Provide a description of the principal product(s) or services performed.

Click here to enter text.				
D. Flow rate informati	lon			
See the Instructions for de	efinitions of "proc	ess" and "no	n-process	s wastewater."
Process Wastewater:				
Discharge, in gallon	s/day:	to enter text.		
Discharge Type: □	Continuous	Batch		Intermittent
Non-Process Wastewater:				
Discharge, in gallon	s/day:	to enter text.		
Discharge Type: □	Continuous	Batch		Intermittent
E. Pretreatment stand	ards			
Is the SIU or CIU subject to instructions?	o technically base	d local limits	as defin	ed in the
Yes □ N	Io 🗆			
Is the SIU or CIU subject to <i>Parts 405-471</i> ?	o categorical pret	reatment star	ndards fo	und in 40 CFR
Yes □ N	Io □			
If subject to categorical particular category and subcategory			ate the ap	plicable
Category: Subcategories:	ter text here to enter tex			
Category: Subcategories:	ter text here to enter tex			
Category: Subcategories:	ter text here to enter tex			
Category: Subcategories:	ter text here to enter tex			
Category: Subcategories:	ter text. ere to enter text.			

## F. Industrial user interruptions Has the SILL or CILL caused or contributed to any problems (e.g., interferences)

		rrosion, blockages) at your POTW in the past three
Y	es □	No □
	•	describe each episode, including dates, duration, , and probable pollutants.
Click here to	enter text	

### **WORKSHEET 7.0**

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

CERIOD V HIJECTION
Submit to:
TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466
Section 1. General Inform
1. TCEQ Program Area

For TCEQ Use Only
Reg. No
Date Received
Date Authorized

#### Section 1. General Information (Instructions Page 102)

JC	ction 1. General information (instructions rage 102)
1.	TCEQ Program Area
	Program Area (PST, VCP, IHW, etc.):
	Program ID: Clark horse to the last terms of the
	Contact Name:
	Phone Number:
2.	Agent/Consultant Contact Information
	Contact Name: Click here to enter text
	Address:
	City, State, and Zip Code:
	Phone Number:
3.	Owner/Operator Contact Information
	Owner □ Operator □
	Owner/Operator Name:
	Contact Name:
	Address:
	City, State, and Zip Code:
	Phone Number:
4.	Facility Contact Information
	Facility Name: Mak here to enter text

	Address: Make to the text of the second of t				
	City, State, and Zip Code:				
	Location description (if no address is available):				
	Facility Contact Person:				
	Phone Number: Click here to enter text.				
5.	. Latitude and Longitude, in degrees-minutes-seconds				
	Latitude: Mak here to enter text Longitude: Mak here to enter text				
	Method of determination (GPS, TOPO, etc.):				
	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: New here to enter text				
	Number of Injection Wells:				
7.	Purpose				
	Detailed Description regarding purpose of Injection System:				
	Click here 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:				
	City, State, and Zip Code:				
	Phone Number: Mak have to enter text				

I	License Nu	ımber:		o enter text				
<b>C</b>	4' O T		. J.D.	Hala Dari'na				
				Hole Design	c Attach	mont C		
Atto	acii a ulag	rain sig		aled by a licensed engineer a		ment C.		
	Table 7.0(1) -Down Hole Design Table							
N	lame of	Size	Setting	Sacks Cement/Grout -	Hole	Weight		
	String		Depth	Slurry Volume - Top of	Size	(lbs/ft)		
				Cement		PVC/Steel		
	Casing							
	Tubing							
	Screen							
	SCICCII							
Soc	tion 3 I	Propos	od Troncl	h System, Subsurface Fl	uid Die	tribution		
sec			nfiltratior		ulu Dis	andan		
Atta	-			aled by a licensed engineer a	s Attach	ment D.		
9	System(s)	Dimens	ions:	here to enter text.				
9	System(s)	Constru	iction:	chere to enter text.				
Soc	tion 1	Sto Us	rdrogoolo	gical and Injection Zone	Data			
1.			aminated Ad		Data			
2.				e of Injection Zone:	re to ent	er fext		
3.		Ü	otal Depth:					
4.		e Elevati		ere to enter text				
5.			nd Water:	lick here to enter text				
6.	_	on Zone		k here to enter text				
	Ü		-	ated geologically?Yes □	No □			
7. 1	njection z	Lone ver	itically 1801a	ateu geologicany: Tes 🗆	МОШ			
	Imperv	ious Str	ata betweer	n Injection Zone and nearest	Undergr	ound		
	Source	of Drin	king Water:					
	Name:			text.				
	Thickn	ess:		nter text.				

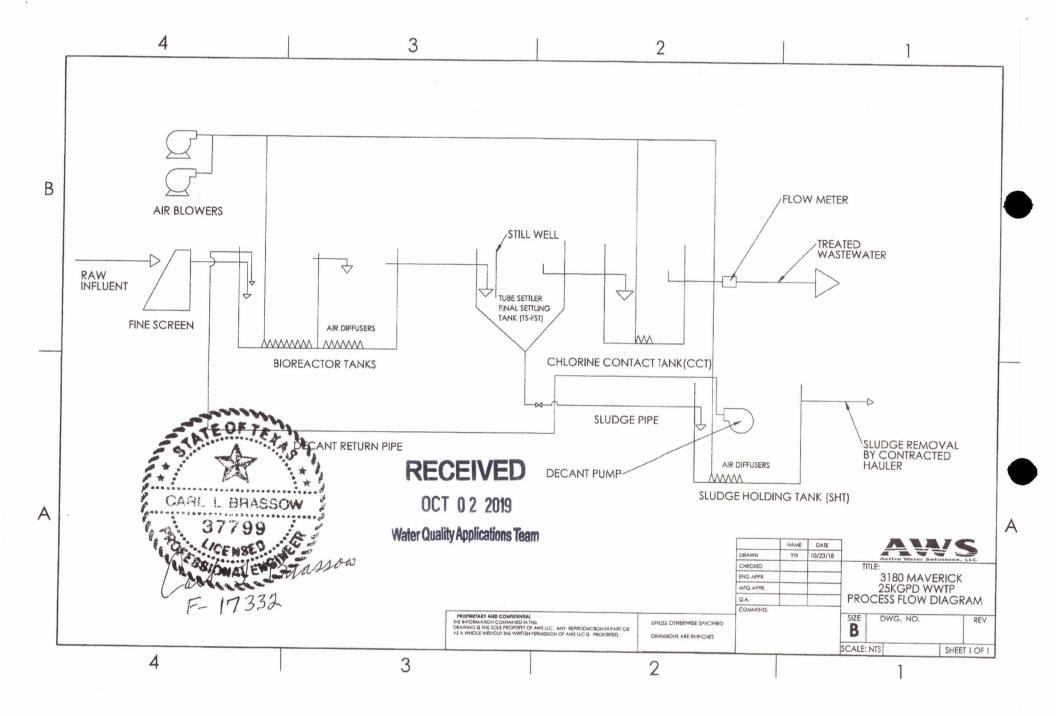
8.	Provide a list of contaminants and the levels (ppm) in contaminated aquifer
	Attach as Attachment E.
9.	Horizontal and Vertical extent of contamination and injection plume
	Attach as Attachment F.
10	Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc.
	Attach as Attachment G.
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:
13	. Maximum injection Rate/Volume/Pressure:
14	Water wells within 1/4 mile radius (attach map as Attachment I):
15	Injection wells within 1/4 mile radius (attach map as Attachment J):
16	. Monitor wells within $1/4$ mile radius (attach drillers logs and map as
	Attachment K):
17	Sampling frequency:
18	. Known hazardous components in injection fluid:
Se	ction 5. Site History
1.	Type of Facility:
2.	Contamination Dates:
3.	Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations
	(attach as Attachment L):
4.	Previous Remediation:
	Attach results of any previous remediation as attachment M

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.

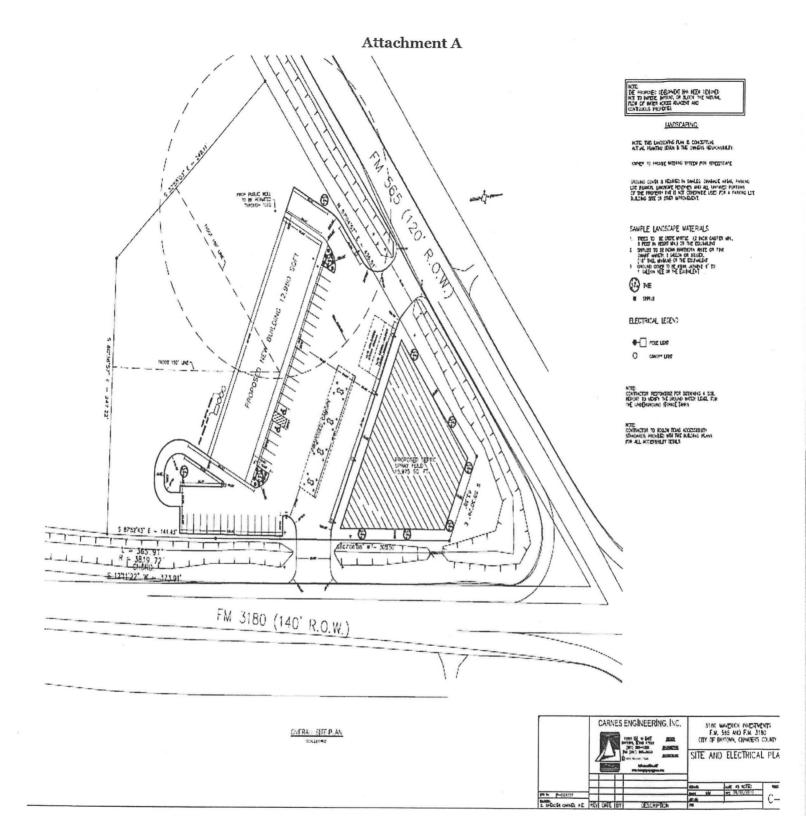
# Class V Injection Well Designations

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	WTTP 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)









I, MOHD DEBUL AND HAZERA BANA AND MOHD DEBUL AND MOZERA FOR 3190 MANEROK INVESTMENTS. LICE OWNER OF MATERIAL PLANT OF MATERIAL PLANT OF MATERIAL PLANT OF CROSSFORD SINGER PLANT, DO HERBEY MAKE DAY OF SUBMISSION OF SAID PROPERTY ACCORDING TO THE LIVES, TREETS, ALLEES, PARIS AND DESCRIPTION SHOWN HERDON AND DESCRIPTION PROPERTY ACCORDING TO HER LIVES AND DESCRIPTION OF MATERIAL PLANT OF MA

WITNESS MY HAND IN CHAMBERS COUNTY, TEXAS, THIS

MOHD IQBAL BANA

NAZIRA BANA

MOHD IQBAL BANA FOR 3180 MAVERICK INVESTMENTS LLC

SET OUT.
GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS

\_\_\_\_day of \_\_\_\_\_\_ 2010.

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

I, DON BRANDON, DO HEREBY CERTIFY THAT THE PLAT OF THE SUBDIVISION COMPLES WITH THE SUBDIVISION REGULATIONS OF CHAMBERS COUNTY, TEXAS AND DESIGN STANDARDS APPLICABLE THERETO.

DON BRANDON COUNTY ENGINEER FOR CHAMBERS COUNTY, TEXAS

L JIMMY SYLVA, CHAMBERS COUNTY JIDGE, DPON APPROM, AND RECOMMIDIDATION HTTPE COUNTY ON THE COUNTY OF THE CHAMBERS OF THE COUNTY CLOSE, OF CHAMBERS DUNNY, TEXAS THIS DIFF.

JIMMY SYLVIA, COUNTY JUDGE

THE IS TO CERTIFY THAT THE COMMISSIONER'S COURT OF GHAMBERS COUNTY, TEARS, ON MOTION MADE, SECONDED, AND ADDRESS, MAS APPROVED THE YEAR AND SUBDIVISION OF MAY PROVIDE THE PART AND SUBDIVISION OF MAY PROVIDED SAID PLAT FILED FECOROR IN THE COUNTY CLEEK OF CHAMBERS COUNTY, TEARS, THIS OFFICE OF THE COUNTY CLEEK OF GHAMBERS COUNTY, TEARS, THIS

JIMMY SYLVIA, COUNTY JUDGE

PMD. 1/2 SCOTT KITE AND DANK & CAUTILE 2 AC THACT YOL NO PG 774, GO-R-611.14 S 87"47'06" W 606.97" FEM CODE \$7-330-605

CLERK'S FILE NO.

IT IS HEREBY ACKNOWLEDGED THAT NETHER WAST WATER TREATMENT FACILITIES OR POTAGLE WATER WILL BE PROVIDED TO ANY LOTS IN THE SUBDIASION PLATED HEREON. LET IT BE KNOWN THAT EACH NOMINUAL PROPERTY OWNER SHALL BE SOLELY RESPONSIBLE FOR THESE SEVICES WITH THE FOLLOWIN

THE TOP OF ALL WATER WELLS AND ALL MECHANICAL PARTS ASSOCIATED WITH THE ON-SITE SEWER FACILITIES SHALL BE A MINIMUM OF 12-INCHES ABOVE BASE FLOOD ELEVATION.

ENVIRONMENTAL HEALTH OFFICER FOR CHAMBERS COUNTY TEXAS, DO HEREBY CERTIFY THAT THE PLAT OF THIS SUBDIMISION COMPUES WITH THE ON SITE SEMACE DISPOSAL REGULATIONS OF CHAMBERS COUNTY, TEXAS, AND DESIGN STANDARS APPLICABLE THERETO, THIS SAME THE OFFICE OF THE OFFICE OFFICE OF THE OFFICE OF THE OFFICE OF THE OFFICE OFFIC

STATE OF TEXAS



,20 R.O.W.

PHD. 1/1"

30

LOT 2 1.994 ACRES

TRACY AND SANDRA DAR CALLED 2.50 ACRES VOL. 512 PC. 292 O.P.E.C.CTX.

FND 1/2"

Majo shows
Note: Prop WWT Plant location only
Proposed WWTP

Location 20'+ from"+". Per 14,15

Crease H Neill & Assoc are
Not surleyors,

58:30'29" 83.38

THE CONCRETE

PHO. CONCRETE

Buffer Zone Map 5180 Maverick Investments, WQ0015245001 Attachment A

VICINITY MAP

THE CROSSROADS MINOR PLAT

14.841 ACRES IN THE BENJAMIN WINFREE SURVEY, ABSTRACT NO. 28, CHAMBERS COUNTY, TEXAS. OCTOBER 2010

	Sludge Calculation	
Solids Production	0.025MGD	
AWS Tests;	0.45 sludge/lb BOD	)
Dry Solids	0.03	% of lb/day
Solids Production	33.8	lb/day
sludge weight / day	1127	lb/day
sludge unit weight	63.2	lb/cf
sludge volume / day		cf/d
Holding time	10	days



RE: COMMERCIAL DEVELOPMENT... FM 565 @ FM 3180

of Duel Chairman

# ATTACHMENT SLUDGE MANAGEMENT PLAN

- 1. TYPE PROCESS- EXTENDED A ERATION ACTIVATED SLUDGE
- 2. DIGESTION, OR ELUDGE HOLDING, IS DONE IN A 160 TO BASIN. AIRLIFTS ARE USED FOR WASTING FROM THE CLARIFIER. A PROCESS SCHEMATIC IS PART OF THIS APPLICATION.
- 3. SLUDGE PRODUCTION RATES-SEE pp 2
- 4. CONCENTRATION IN THE AERATION BASIN IS 3500 PPM MLSS
- 5. SLUDGE HANDLING-
  - A. WASTING SLUDGE -

MLSS IS GENERATED IN THE AERATION BASIN, AND ALLOWED TO SETTLE IN THE CLARIFIER. CONE-SHAPE DIRECTS THE CLARIFIER UDERFLOW TO THE CENTER AREA WHERE A DRAIN IS CONNECTED TO AIRLIFTS. WASTED SLUDGE (WAS) IS THEN DIRECTED TO THE SLUDGE HOLDING TANK FOR THICKENING (& SOME DIGESTION). HOLDING TANK SUPERNATIANT FLOWS TO AERATION, WHILE THE CONCENTRATE IS VERIODICALLY EVACUATED VIA VACUUM TRUCK, AND WAS IS HAULED / DISPOSED BY LICENCED GPERATORS.

- 6. REMOVAL FREQUENCIES-SEE pp 2.
- 7. SLUDGE DISPUSAL-

### ALTERNATIVES-

ENVIRORGANICS, A CERTIFIED HAULER LAND APPLIER @ REGISTERED SITES.
SLUDGE TO BE LIME STABILIZED @ FACILITY SUPSE, TRANSPORTATION IS BY TRUCK
IN LIQUID FORM. LAND APPLICATION & LIME STABILIZATION SITES ARE NAMED
"CALDWELL", AND ARE IN BRAZORIA COUNTY"S LEDIEST ABSTRACTIVE IS BMI

RECORDS INCLUDING TIME, DATE, WEIGHT OF WASTED SLUDGE TO BE KEPT ON FILE AT THE LICENSEE'S OFFICE WITH COPIES TO BE KEPT AT THE PROPOSED WTP SITE WITH COPIES OF THE PERMIT, FILES, AND OWN RECORDS.

NOTE: ESTIMATE OF DRY WEIGHT OF SLUDGE HAULED...

GAL. WASTED X 8.34( #/GAL) X 0.007\* = \_\_\_\_\_ # DRY WT OF HAULED SLUDGE

\* BASED ON 7000 ppm. USE LAB RESULTS OF ,NESS IN RAS, IF AVAILABLE.

TRUCKS TO BE WEIGHED, AND COMPARED TO TARE FOR ACCURATE CHECK.

### **Candice Calhoun**

From: John Khowaja <bana276@gmail.com>
Sent: Friday, September 5, 2025 12:03 PM

**To:** Candice Calhoun

**Subject:** Fwd: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

Hi Candice - ill update the USGS map with the request from Brandon.

Please see below for correspondence with Brandon.

Can you let me know if you have received the other items?

Thanks!

----- Forwarded message -----

From: Brandon Maldonado < Brandon. Maldonado@tceq.texas.gov >

Date: Thu, Aug 28, 2025, 1:27 PM

Subject: RE: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

To: John Khowaja < bana276@gmail.com >

Good afternoon,

For the USGS map the map must be attached as a file preferably a PDF, otherwise the only issue I can see is that the discharge point is not labeled and the discharge route should be for 3 miles or until a classified segment. Your response to Item 3 of the NOD is sufficient.

Please let me know if you have any questions. After August 29, 2025 please send your questions <a href="mailto:Erwin.Madrid@tceq.texas.gov">Erwin.Madrid@tceq.texas.gov</a> to ensure that they are answered in a timely manner.

Regards,



**Brandon Maldonado** 

Texas Commission on Environmental Quality

# Water Quality Division

512-239-4331 Brandon.Maldonado@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

From: John Khowaja < bana276@gmail.com > Sent: Tuesday, August 26, 2025 4:02 PM

To: Brandon Maldonado < <a href="mailto:Brandon.Maldonado@tceq.texas.gov">Brandon Maldonado@tceq.texas.gov</a>>

Subject: Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

Hi Brandon,

The verbiage on the NORI looks okay - just a few minor changes below:

APPLICATION. 3180 Maverick Investments, L.L.C. and 0, 59 Crown Arbor, Sugar land, Texas 77498,4404 S FM 565 Baytown TX 77523 has applied to the Texas Commission on Environmental Quality (TCEQ) renew Texas Pollutant Discharge Elimination System (TPDES) Permit No.

Mr. Alex Khowaja Page 2 July 25, 2025 Permit No. WQ0015245001

WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day. The domestic wastewater treatment facility is located at 4404 south Farm-to-Market 565 Road, near the city of Baytown, in Chambers County, Texas 77523. The discharge route is from the plant site to a ditch; thence to an unnamed natural ditch; thence to Cotton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay. TCEQ received this application on July 15, 2025. The permit application will be available for viewing and copying at

Chambers County Court House, County Clerk Office, 404 Washington Avenue, Anahuac, in Chambers 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/tpdesapplications. 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.

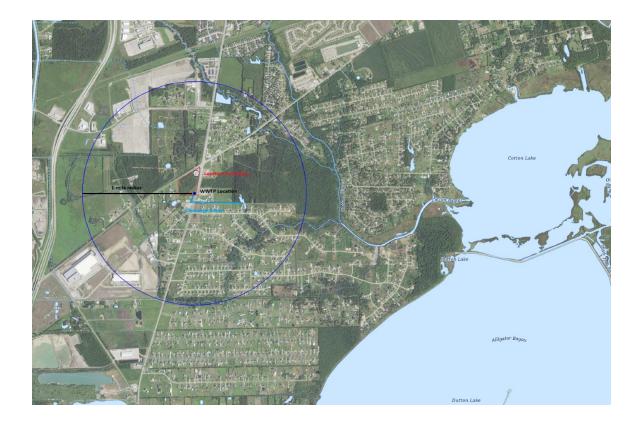
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.851388,29.796944&level=18

Further information may also be obtained from 3180 Maverick Investments, L.L.C. at the address stated above or by calling Mr. Alex Khowaja, Landlord, at 713-894-9322.

-----

As far as the USGS map is concerned, can you tell me if there is a specific place on the USGS website to obtain the required map? The USGS map that allows me to export is very zoomed out and as such cannot allow me to place the specific details.

Thanks!



On Tue, Aug 26, 2025 at 9:54 AM Brandon Maldonado < <a href="mailto:Brandon.Maldonado@tceq.texas.gov">Brandon.Maldonado@tceq.texas.gov</a>> wrote:

Good morning,

Sorry for the late reply. Your response is sufficient for item 1 of the NOD. For item 2 of the NOD please provide a USGS map with the 5 items listed in the NOD marked. A USGS map was provided with the application but lacked any of the items needed. I have attached that USGS map above. For item 3 of the NOD please confirm that you have read the excerpt of the NORI provided in the NOD and that there are no errors or omissions.

On August 31, 2025, my contract will expire, and I will no longer be working at this position. I am working to finish my current applications however since it will likely take past this week to finish your application I will work to transfer you to another administrative reviewer. I will let you know once it has been decided who will take over this application.

Regards,

# **Brandon Maldonado**



Texas Commission on Environmental Quality

Water Quality Division

512-239-4331 Brandon.Maldonado@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

www.tceq.texas.gov/customersurvey
From: John Khowaja < bana276@gmail.com > Sent: Friday, August 22, 2025 3:38 PM To: Brandon Maldonado < Brandon.Maldonado@tceq.texas.gov > Subject: Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter
Brandon - just saw this was in our dropbox for the PLS and bufferzone. Please let me know if this works for the requirements.
Thanks!
Alex

On Fri, Aug 22, 2025 at 3:02 PM John Khowaja < bana276@gmail.com > wrote:

Brandon - apologies for the delay, we were out of town for quite some time. Can we get this to you next week?

On Fri, Jul 25, 2025 at 2:55 PM Brandon Maldonado < <a href="mailto:BrandonMaldonado@tceq.texas.gov">Brandon Maldonado@tceq.texas.gov</a>> wrote:

Dear Mr. Khowaja

The attached Notice of Deficiency (NOD) letter sent on <u>July 24, 2025</u>, requests additional information needed to declare the application administratively complete. Please send complete response to my attention by <u>August 7, 2025</u>.

Please let me know if you have any questions.

Regards,

# **Brandon Maldonado**



Texas Commission on Environmental Quality

Water Quality Division

512-239-4331 Brandon.Maldonado@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

### **Candice Calhoun**

From: John Khowaja <bana276@gmail.com>
Sent: Wednesday, September 10, 2025 12:02 PM

**To:** Candice Calhoun

**Subject:** Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter **Attachments:** Municipal TPDES and TLAP PLS Form.docx; 2d-map(1).png; Map\_bufferzone.pdf

See the last message to Brandon:

-----

Hi Brandon,

The verbiage on the NORI looks okay - just a few minor changes below:

APPLICATION. 3180 Maverick Investments, L.L.C. and 0, <del>59 Crown Arbor, Sugar land, Texas 77498</del>,4404 S FM 565 Baytown TX 77523 has applied to the Texas Commission on Environmental Quality (TCEQ)

renew Texas Pollutant Discharge Elimination System (TPDES) Permit No.

Mr. Alex Khowaja Page 2 July 25, 2025 Permit No. WQ0015245001

WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day. The domestic wastewater treatment facility is located at 4404 south Farm-to-Market 565 Road, near the city of Baytown, in Chambers County, Texas 77523. The discharge route is from the plant site to a ditch; thence to an unnamed natural ditch; thence to Cotton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay. TCEQ received this application on July 15, 2025. The permit application will be available for viewing and copying at Chambers County Court House, County Clerk Office, 404 Washington Avenue, Anahuac, in Chambers 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=-94.851388,29.796944&level=18

Further information may also be obtained from 3180 Maverick Investments, L.L.C. at the address stated above or by calling Mr. Alex Khowaja, Landlord, at 713-894-9322.

# **Candice Calhoun**

**From:** John Khowaja <bana276@gmail.com><br/>**Sent:** Monday, September 15, 2025 2:42 PM

**To:** Candice Calhoun

Subject: Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

Apologies for the delay - 4404 S FM 565 Baytown TX 77523 is the address of the shopping center and also the location of the WWTP.

59 Crown Arbor, Sugar Land, TX 77498 is the mailing address for 3180 Maverick Investments LLC.

I will get you the PDF of the USGS map shortly, thank you.

On Mon, Sep 15, 2025 at 2:40 PM Candice Calhoun < <u>Candice.Calhoun@tceq.texas.gov</u>> wrote:

Good afternoon, John,

I wanted to follow up regarding the email below.

If you have any questions/concerns, please let me know.

Regards,

# Candice Courville



License & Permit Specialist

ARP Team | Water Quality Division

Texas Commission on Environmental Quality

512-239-4312 <a href="mailto:candice.calhoun@tceq.texas.gov">candice.calhoun@tceq.texas.gov</a>

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

From: Candice Calhoun

**Sent:** Wednesday, September 10, 2025 2:11 PM **To:** John Khowaja < bana276@gmail.com >

Subject: RE: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

Mr. Khowaja,

Thank you for providing this information. The USGS map should include the scale of map and should be in PDF format. Can you please provide that to me? The PLS provided looks good.

In addition, I did have a question regarding a previous comment to Brandon. Below, as highlighted, it was stated that the address at the beginning of the NORI portion should be changed to 4404 South Farm-to-Market Road 565, Baytown, Texas 77523. The address that is listed at the beginning of the NORI is the permit mailing address. Please confirm that the address you are requesting this be changed to, is the correct mailing address for the permit to be mailed to once approved and issued.

# 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 <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

From: John Khowaja < <a href="mailto:bana276@gmail.com">bana276@gmail.com</a>>
Sent: Wednesday, September 10, 2025 12:02 PM

To: Candice Calhoun < Candice. Calhoun@tceq.texas.gov>

Subject: Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

See the last message to Brandon:	
Hi Brandon,	

The verbiage on the NORI looks okay - just a few minor changes below:

APPLICATION. 3180 Maverick Investments, L.L.C. and 0, <del>59 Crown Arbor, Sugar land,</del> Texas 77498,4404 S FM 565 Baytown TX 77523 has applied to the Texas Commission on Environmental Quality (TCEQ)

renew Texas Pollutant Discharge Elimination System (TPDES) Permit No.

Mr. Alex Khowaja Page 2 July 25, 2025 Permit No. WQ0015245001

WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day. The domestic wastewater treatment facility is located at 4404 south Farm-to-Market 565 Road, near the city of Baytown, in Chambers County, Texas 77523. The discharge

# **Candice Calhoun**

From: John Khowaja <bana276@gmail.com>
Sent: Sunday, September 21, 2025 11:32 PM

**To:** Candice Calhoun

**Subject:** Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

**Attachments:** USGS\_Map\_Permit\_WQ.pdf

Candice - please see attached and let me know if this is sufficient.

Thanks!

On Thu, Sep 18, 2025 at 10:56 AM Candice Calhoun < Candice. Calhoun@tceq.texas.gov > wrote:

Thank you for the update, John!

# 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 <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

From: John Khowaja < bana276@gmail.com > Sent: Thursday, September 18, 2025 9:24 AM

To: Candice Calhoun < Candice.Calhoun@tceq.texas.gov >

Subject: Re: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

Hi Candice, I was able to download the USGS map, just having trouble figuring out how to find a zoomed in version as the one from yhe USGS site is a 7.5mile map.

Stand by as I should be able to get something today.

On Thu, Sep 18, 2025, 8:34 AM Candice Calhoun < <u>Candice.Calhoun@tceq.texas.gov</u>> wrote:

Good morning, John,

I wanted to follow up regarding the USGS map. If you can provide it to me by COB today, that would be appreciated. If not, I will route to my supervisor to issue the 30-day notice as the NOD response deadline has passed as of August 8, 2025.

Regards,

# Candice Courville



License & Permit Specialist

ARP Team | Water Quality Division

Texas Commission on Environmental Quality

512-239-4312 <a href="mailto:candice.calhoun@tceq.texas.gov">candice.calhoun@tceq.texas.gov</a>

How is our customer service? Fill out our online customer satisfaction survey at <a href="https://www.tceq.texas.gov/customersurvey">www.tceq.texas.gov/customersurvey</a>

From: Candice Calhoun

**Sent:** Monday, September 15, 2025 3:34 PM **To:** 'John Khowaja' < bana276@gmail.com >

Subject: RE: Application to Renew Permit No. WQ0015978002 - Notice of Deficiency Letter

John,

Thank you, so then the 59 Crown Arbor should stay at the beginning of the NORI as that is the mailing address. I have updated the NORI to read as below:

APPLICATION. 3180 Maverick Investments, L.L.C., 59 Crown Arbor, Sugar land, Texas 77498, has applied to the Texas Commission on Environmental Quality (TCEQ) renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day. The domestic wastewater treatment facility is located at 4404 South Farm-to-Market 565 Road, Baytown, in Chambers County, Texas 77523. The discharge route is from the plant site to a ditch; thence to an unnamed natural ditch; thence to Cotton Bayou; thence to Cotton Lake; thence to an unnamed channel; thence to High Tree Bayou; thence to Red Bayou; thence to Trinity Bay. TCEQ received this application on July 15, 2025. The permit application will be available for viewing and copying at Chambers County Court House, County Clerk Office, 404 Washington Avenue, Anahuac, in Chambers 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/pendingpermits/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=-94.851388,29.796944&level=18

And sounds good, thank you for the update.

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

This template is a guide to assist applicant's in developing a plain language summary as required by 30 Texas Administrative Code Chapter 39 Subchapter H. Applicant's 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 blanks below to describe your facility and application. 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 Texas Administrative Code §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

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 Texas Administrative Code 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.

3180 Maverick Investments LLC (CN603802075 ) operates Rush Gas Station RN106668221. a Shopping center with a gas station. The facility is located 4404 S FM 565, in Baytown, Chambers County, Texas 77523.

The application is for a renewal of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015245001 (EPA I.D. No. TX0135348) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 15,000 gallons per day.

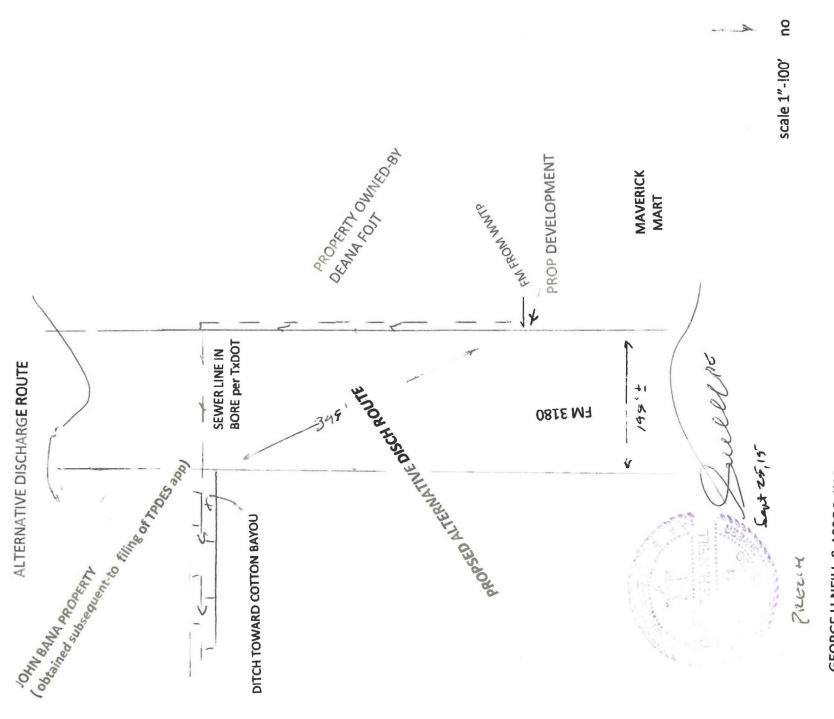
Discharges from the facility are expected to containfive-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and

Escherichia coli. The domestic wastewater is treated by a Submerged fixed bed biofilm reactor (SFBBR) operated as an attached biological system configured as a packaged plant. The treatment unit is self contained and consists of the following process units: influent pumps, influent fine screen, two Aerated fixed-bed biofilm tanks (BRTs, for Oxidation and Nitrification) equipped with diffusers and blowers, tube settler Final settling tank (TS-FST) with sludge and scum removal, chlorine contact tank (CCT) and Aerated Sludge Holding Tank (SHT). The treatment system also includes electric control panel, and disinfection apparatus. The pipe diameter at the discharge point is 4".

CONTOUR INTERVAL 5 PEET NORTH AMERICAN VERTICAL DATUM OF 1988 This map was produced to conform with the National Geospatial Program US Topo Product Standard.

COVE, TX 2022

# RE- PROPOSED TPDES.. MAVERICK 1380 WQ 0015245-001



GEORGE H NEILL & ASSOC., INC. STAFFORD, TEXAS 77477 P.O. BOX 512

STATE OF TEXAS COUNTY OF CHAMBERS

WITNESS MY HAND IN CHAMBERS COUNTY, TEXAS, THIS \_\_\_\_\_\_ DAY OF \_\_\_\_\_\_\_\_\_\_2010

MOHD JOBAL BANA

NAZIRA BANA

MOHD IQUAL BANA FOR 3180 MAVERICK INVESTMENTS LLC

SET OUT.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS

\_\_\_\_day of \_\_\_\_\_\_ 2010.

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

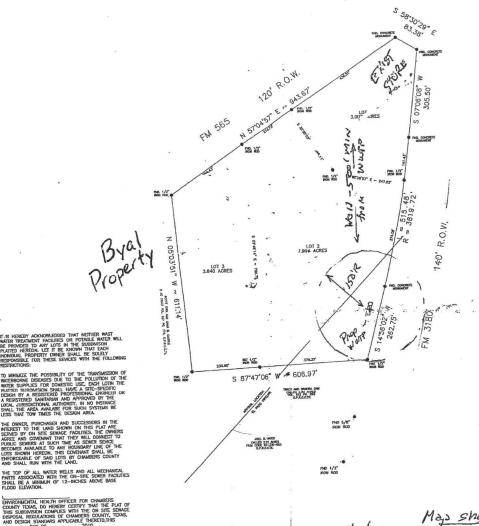
I, DON BRANDON, DO HEREBY CERTIFY THAT THE PLAT OF THIS SUBDIVISION COMPLIES WITH THE SUBDIVISION REGULATIONS OF CHAMBERS COUNTY, TEXAS AND DESIGN STANDARDS APPLICABLE THERETO.

DON BRANDON
COUNTY ENGINEER FOR CHAMBERS COUNTY, TEXAS

JIMMY SYLVA, COUNTY JUDGE

THIS IS TO CERTIFY THAT THE COMMESSIONER'S COURT OF CHAMBER'S COUNTY, TEXAS, ON MOTION MADE, SECONDED, AND ADOPTED, MAS APPROVED THIS PLAY AND SUBDIVISION OF THE CROSSROADS MADE PLAY AS SHOWN HEREOM, AND FORESTED SOO FOU

THAN SYLVA COUNTY JUDGE



- Buffer Zone Map WQ0015245001 Attachment A

5180 Maverick Investments,

THE CROSSROADS MINOR PLAT

14.841 ACRES IN THE BENJAMIN WINFREE SURVEY, ABSTRACT NO. 28, CHAMBERS COUNTY, TEXAS. OCTOBER 2010

CLERK'S FILE NO.

Majo shows
Note: Prop WUT Plant location only
Proposed WWTP
Location 20'+ fron"+". Ver ""

George H Neill & Assoc are
Not surveyors,

VICINITY MAP NTS

STATE OF TEXAS COUNTY OF CHAMBERS