



Technical 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. Second notice (NAPD-Notice of Preliminary Decision)
4. Application materials
5. Draft permit
6. Technical summary or fact sheet



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

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

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

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

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

Terrell County WC&ID No.1 (CN600686398) operates Sanderson Wastewater Treatment Plant (RN102886926), a wastewater treatment plant. The facility is located at 4.4 miles southeast of the intersection of state highway 285 and state highway 90 along state highway 90. The plant is on the northeast side of the road, in Sanderson, Terrell County, Texas 79848. This application is for renewal to discharge 200,000 gallons per day of treated domestic wastewater.

Municipal wastewater is treated and the pollutants expected to discharge from this facility include BOD, CBOD, COD, TOC, DO, Ammonia Nitrogen, TSS, Nitrate Nitrogen, Total organic nitrogen, Total phosphorous, Oil and grease, Total residue chloride, TDS, Sulfate, Chloride, Fluoride, Total alkalinity, Temperature, pH.

There is a pond system where influent enters through a bar screen and an influent metering station, thence to two facultative lagoons in series, and thence to two stabilization ponds in series, and finally thence to effluent metering station and discharge.

The TLAP disposal site latitude and longitude: (30° 06'28" N, 102° 21'53" W). The TLAP routing of effluent from the treatment facility to the disposal site is from the treatment plant via a four-inch pipe to the irrigation site within the fenced boundary of the treatment plant site. However, we are currently requesting a chapter 210 authorization in lieu of TLAP authorization. Copy of chapter 210 application is enclosed. The nearest watercourse to the disposal site to which rainfall runoff might flow if not contained is Sanderson Creek, thence to Rio Grande River No. 2306. The TPDES discharge outfall latitude and longitude: (30° 06' 36" N, 102° 21'45" W).

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Terrell County WC&ID No.1 (CN600686398) opera Planta de Tratamiento de Aguas Residuales Sanderson RN102886926, un planta de tratamiento de aguas residuales . La instalación está ubicada en 4 .4 millas al sureste de la intersección de la carretera estatal 285 y la carretera estatal 90 a lo largo de la carretera estatal 90. La planta está en el lado noreste de la carretera , en Sanderson, Condado de Terrell, Texas 79848. Esta solicitud es para renovar la descarga de 200.000 galones por día de aguas residuales domésticas tratadas. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan BOD, CBOD, COD, TOC, DO, Ammonia Nitrogen, TSS, Nitrate Nitrogen, Total organic nitrogen, Total phosphorous, Oil and grease, Total residue chloride, TDS, Sulfate, Chloride, Fluoride, Total alkalinity, Temperature, pH. Agua potable. está tratado por lagunas facultativas primero, luego el agua pasa a lagunas de estabilización, y finalmente se descarga el agua después de pasar de la estación de medición.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0014120001

APPLICATION. Terrell County Water Control and Improvement District No. 1, P.O. Box 569, Sanderson, Texas 79848, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0014120001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 150,000 gallons per day via surface irrigation of 28 acres of non-public access native range grassland. The domestic wastewater treatment facility and disposal area are located approximately 0.25 miles north of the intersection of U.S. 90 and Southern Pacific Railroad in the city of Sanderson, in Terrell County, Texas 79848. TCEQ received this application on March 5, 2025. The permit application will be available for viewing and copying at Terrell County Courthouse, County Clerk's office, 105 East Hackberry Street, Sanderson, in Terrell 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/tlap-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=-102.365555,30.108333&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 county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a

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

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

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

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

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 www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in

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

Further information may also be obtained from Terrell County Water Control and Improvement District No. 1 at the address stated above or by calling Mr. Diego Gonzales, General Manager, at 432-345-2501.

Issuance Date: April 1, 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

RENEWAL

PERMIT NO. WQ0014120001

APPLICATION AND PRELIMINARY DECISION. Terrell County Water Control and Improvement District No. 1, P.O BOX 569, Sanderson, Texas 79848, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0014120001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 150,000 gallons per day via surface irrigation of 28 acres of non-public access native range grassland. This permit will not authorize a discharge of pollutants into water in the state. TCEQ received this application on March 5, 2025.

The wastewater treatment facility and disposal site are located 4.3 miles southeast of the intersection of U.S Highway 285 and U.S. Highway 90 along U.S Highway 90 on the northeast side of the road, in Terrell County, Texas 79848. The wastewater treatment facility and disposal site are located in the drainage basin of Sanderson Creek in the drainage area of the Rio Grande in Segment No. 2306 of the Rio Grande Basin. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.365555,30.108333&level=18>

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Terrell County Courthouse, County Clerk's office, 105 East Hackberry Street, Sanderson, in Terrell 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/tlap-applications>.

PUBLIC COMMENT / PUBLIC MEETING: You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds 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 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 a contested case hearing or reconsideration of the Executive Director's decision.** A contested case hearing is a legal proceeding similar to a civil trial in a 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.**

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

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.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at www.tceq.texas.gov/goto/comment within 30 days from the date of newspaper publication of this notice.

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

AGENCY CONTACTS AND INFORMATION. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/goto/comment, 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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Terrell County Water Control and Improvement District No.1 at the address stated above or by calling Mr. Diego Gonzales, General Manager, at (432)-345-2501.

Issuance Date: September 15, 2025

BURGESS & NIPLE

10801-2 N. Mopac Expressway Suite 340 Austin, TX 78759 | 512.306.9266 | burgessniple.com

Firm Registration No. 10834

February 24, 2025

Texas Commission on Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
Wastewater Permitting Section
P.O. Box 13087
Austin, Texas 78711-3087
239-4671

Re: Terrell WC&ID No. 1
Texas PWS TX0119555
Terrell County, Texas
TPDES Permit No. WQ14120001

To whom it may concern,

Enclosed, please find one unbound original and two (2) copies of the TCEQ Domestic Wastewater Permit Renewal Application for the Terrell County Water Control & Improvements District Number 1 Wastewater Treatment Plant (WQ14120001). The existing permit is set to expire on September 1, 2025.

The application fee is being submitted under separate cover as requested. If you have any questions or comments regarding the supplemental information, please contact me at (512) 518-0232 or via email at amanda.frazier@burgessniple.com.

Sincerely,



Amanda Frazier, P.E.
Project Engineer

Enclosures: One original and two copies of the TCEQ Domestic Wastewater Permit Renewal Application

Cc: Diego Gonzales, Terrell County WCID No. 1



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: TERRELL COUNTY WATER CONTROL AND IMPROVEMENTS DISTRICT 1
(WC&ID No. 1)

PERMIT NUMBER (If new, leave blank): WQ00 14120001

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

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

For TCEQ Use Only

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 ☐	\$315.00 ☐
≥0.05 but <0.10 MGD	\$550.00 ☐	\$515.00 ☐
≥0.10 but <0.25 MGD	\$850.00 ☐	\$815.00 ☒
≥0.25 but <0.50 MGD	\$1,250.00 ☐	\$1,215.00 ☐
≥0.50 but <1.0 MGD	\$1,650.00 ☐	\$1,615.00 ☐
≥1.0 MGD	\$2,050.00 ☐	\$2,015.00 ☐

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 4500
Check/Money Order Amount: 815.00
Name Printed on Check: TCEQ Financial Administration Division
EPAY Voucher Number:
Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

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

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

- ☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

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

f. **For existing permits:**

Permit Number: WQ00 14120001

EPA I.D. (TPDES only): TX 0119555

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

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

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

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

TERRELL COUNTY WC&ID No. 1

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

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

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

CN: 600686398

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

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

Last Name, First Name: [Click to enter text.](#)

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

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

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

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

[Click to enter text.](#)

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

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

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No. 1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: MS.

Last Name, First Name: FRAZIER, AMANDA

Title: ENGINEER

Credential: P.E.

Organization Name: BURGESS & NIPLE, INC.

Mailing Address: 10801-2 N MOPAC EXPRESSWAY, SUITE 340
TX 78759

City, State, Zip Code: AUSTIN,

Phone No.: 512-518-0232

E-mail Address: AMANDA.FRAZIER@BURGESSNIPLE.COM

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

B. Prefix: MS.

Last Name, First Name: FRAZIER, AMANDA

Title: ENGINEER

Credential: P.E.

Organization Name: BURGESS & NIPLE, INC.

Mailing Address: 10801-2 N. MOPAC EXPRESSWAY, SUITE 340 City, State, Zip Code: AUSTIN, TX 78759

Phone No.: 512-518-0232

E-mail Address: AMANDA.FRAZIER@BURGESSNIPLE.COM

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

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

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

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: Terrell County WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

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

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

- ☐ E-mail Address
☐ Fax
☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: MR. Last Name, First Name: GONZALES, DIEGO
Title: GENERAL MANAGER Credential: Click to enter text.
Organization Name: TERRELL COUNTY WC&ID No.1
Mailing Address: P.O. BOX 569 City, State, Zip Code: SANDERSON, TX 79848
Phone No.: 432-345-2501 E-mail Address: TCWCID1@BIGBEND.NET

D. Public Viewing Information

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

Public building name: TERRELL COUNTY WC&ID No. 1 WATER DISTRICT OFFICE
Location within the building: AT THE FRONT SECRETARY DESK
Physical Address of Building: 120 WEST OAK STREET, SANDERSON, TX 79848
City: SANDERSON County: TERRELL
Contact (Last Name, First Name): GONZALES, DIEGO
Phone No.: 432-345-2501 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? [Click to enter text.](#)

F. Plain Language Summary Template

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

Attachment: ATTACHEMENT 2

G. Public Involvement Plan Form

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

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

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 102886926

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

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

SANDERSON WASTEWATER TREATMENT PLANT

C. Owner of treatment facility: TERRELL COUNTY WC&ID No.1

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

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

Prefix: [Click to enter text.](#) Last Name, First Name: [Click to enter text.](#)

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

Organization Name: TERRELL COUNTY WC&ID No.1

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

Phone No.: [Click to enter text.](#) E-mail Address: TCWCID1@BIGBEND.NET

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

Attachment: N/A

E. Owner of effluent disposal site:

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

Last Name, First Name: [Click to enter text.](#)

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

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

Organization Name: TERRELL COUNTY WC&ID No.1

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

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

Phone No.: [Click to enter text.](#)

E-mail Address: TCWCID1@BIGBEND.NET

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

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

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

Organization Name: N/A

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

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

Phone No.: [Click to enter text.](#)

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

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

THE SANDERSON WASTEWATER TREATMENT PLANT IS LOCATED 4.3 MILE SOUTHEAST OF THE INTERSECTION OF STATE HIGHWAY 285 AND STATE HIGHWAY 90 ALONG STATE HIGHWAY 90. THE PLANT IS ON THE NORTHEAST SIDE OF THE ROAD.

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

☒ Yes ☐ No

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

[Click to enter text.](#)

City nearest the outfall(s): SANDERSON

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☒ Yes ☐ No

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

Click to enter text.

- B. City nearest the disposal site: SANDERSON

- C. County in which the disposal site is located: TERRELL

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

FROM THE TREATMENT PLANT VIA A FOUR INCH PIPE TO THE IRRIGATION SITE WITHIN THE FENCED IN BOUNDARY OF THE TREATMENT PLANT SITE. HOWEVER, WE ARE CURRENTLY REQUESTING A CHAPTER 210 AUTHORIZATION IN LIEU OF TLAP AUTHORIZATION. COPY OF CHAPTER 210 APPLICATION IS ENCLOSED.

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: SANDERSON CREEK THENCE TO RIO GRANDE RIVER SEGMENT No. 2306

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☒ Yes ☐ No ☐ Not Applicable

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

Click to enter text.

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

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

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

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

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

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

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: [Click to enter text.](#)

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0014120001

Applicant: TERRELL COUNTY WC&ID No.1

Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

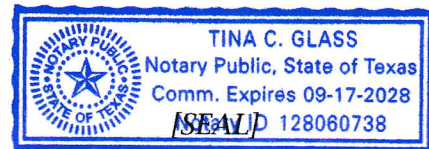
Signatory name (typed or printed): BLAIN CHRIESMAN

Signatory title: PRESIDENT

Signature: Blain Chriesman Date: 3-4-2025
(Use blue ink)

Subscribed and Sworn to before me by the said Blain Chriesman
on this 4 day of March, 2025.
My commission expires on the 9 day of Sept, 2028.

Tina C. Glass
Notary Public



Terrell
County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: ATTACHMENT 5

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP Waste Permit No: WQ0014120001

1. Check or Money Order Number: 4500
2. Check or Money Order Amount: \$815.00
3. Date of Check or Money Order: 3/5/25
4. Name on Check or Money Order: TCEQ Financial Administration Division.
5. APPLICATION INFORMATION

Name of Project or Site: SANDERSON WASTEWATER TREATMENT PLANT

Physical Address of Project or Site: TCWCID1 Sanderson, TX 79848

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

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

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

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

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

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

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

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

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

Plain Language Summary ☒ Yes



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.2

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: EXISTING

Estimated waste disposal start date: EXISTING

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 0.2

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: EXISTING

Estimated waste disposal start date: EXISTING

D. Current Operating Phase

Provide the startup date of the facility: FINAL

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

POND SYSTEM: INFLUENT ENTERS THROUGH BAR SCREEN AND INFLUENT METERING STATION, THENCE TO TWO (2) FACULTATIVE LAGOONS IN SERIES, AND THENCE TO TWO STABILIZATION PONDS IN SERIES, AND FINALLY THENCE TO EFFLUENT METERING STATION AND DISCHARGE

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Two Bar Screens	2	18 INCHES WIDE
Two Facultative Lagoons	2	390' L x 130' W x 4' D
Two Stabilization Ponds	2	648' L x 162' W x 4' D

C. Process Flow Diagram

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

Attachment: ATTACHMENT 5

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

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

- Latitude: 30-06'-28"
- Longitude: 102-21'-45"

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

- Latitude: 30-06'-36"
- Longitude: 102-21'-53"

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

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

Attachment: ATTACHMENT 6

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

COMMUNITY OF SANDERSON, TEXAS, TERRELL COUNTY

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: 4/2000 - Final

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

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click 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.

Click to enter text.

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click 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 to enter text.

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

Click to enter text.

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 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 ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

[Click to enter text.](#)

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	19.5	19.5	1	Grab	1/9/2025 12:47 PM
Total Suspended Solids, mg/l	40.7	40.7	1	Grab	1/9/2025 12:04 PM
Ammonia Nitrogen, mg/l	7.29	7.29	1	Grab	1/9/2025 2:28 PM
Nitrate Nitrogen, mg/l	<0.2	<0.2	1	Grab	1/9/2025 12:11 PM
Total Kjeldahl Nitrogen, mg/l	12.4	12.4	1	Grab	1/17/2025 7:02 PM
Sulfate, mg/l	20.4	20.4	1	Grab	1/9/2025 12:11 PM
Chloride, mg/l	62.8	62.8	1	Grab	1/9/2025 12:11 PM
Total Phosphorus, mg/l	4.85	4.85	1	Grab	1/9/2025 1:00 PM
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater	19.9	19.9	1	Grab	1/9/2025 1:19 PM
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l	527	527	1	Grab	1/10/2025 10:00 AM
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l	<5.0	<5.0	1	Grab	1/14/2025 10:16 AM
Alkalinity (CaCO ₃)*, mg/l	297	297	1	Grab	1/10/2025 1:16 PM

*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Diego Gonzales

Facility Operator's License Classification and Level: Click to enter text.

Facility Operator's License Number: Click to enter text.

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

D. Disposal site

Disposal site name: CITY OF ALPINE LANDFILL

TCEQ permit or registration number: 2197

County where disposal site is located: BREWSTER

E. Transportation method

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

Name of the hauler: GONZALES SEPTIC & GREASE TRAP SERVICES

Hauler registration number: SLGTR23336

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting	☐	Yes	☒	No
Marketing and Distribution of sludge	☐	Yes	☒	No
Sludge Surface Disposal or Sludge Monofill	☐	Yes	☒	No
Temporary storage in sludge lagoons	☐	Yes	☐	No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☐ No

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

A. Location information

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

- Original General Highway (County) Map:
Attachment: [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:
Attachment: [Click to enter text.](#)
- Federal Emergency Management Map:
Attachment: [Click to enter text.](#)
- Site map:
Attachment: [Click to enter text.](#)

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

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

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

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

[Click to enter text.](#)

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

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

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

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

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

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

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

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

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

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

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

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

C. Liner information

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

☐ Yes ☐ No

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

[Click to enter text.](#)

D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click 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: [Click to enter text.](#)

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

A. Additional authorizations

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

☐ Yes ☒ No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☒ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

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

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: DIEGO GONZALES

Title: GENERAL MANAGER

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

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

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

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

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

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

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

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

[Click to enter text.](#)

C. Sea grasses

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

☐ Yes ☐ No

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

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

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

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

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

Name of the immediate receiving waters: [Click to enter text.](#)

A. Receiving water type

Identify the appropriate description of the receiving waters.

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

Surface area, in acres: [Click to enter text.](#)

Average depth of the entire water body, in feet: [Click to enter text.](#)

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

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

B. Flow characteristics

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

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

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

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☐ Personal observation
- ☐ Other, specify: [Click to enter text.](#)

C. Downstream perennial confluences

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

[Click to enter text.](#)

D. Downstream characteristics

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

☐ Yes ☐ No

If yes, discuss how.

[Click to enter text.](#)

E. Normal dry weather characteristics

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

[Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☐ No

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

A. Upstream influences

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

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks

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

B. Waterbody uses

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

- | | |
|--|--|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☐ Other(s), specify: Click to enter text. |

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

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

Identify the method of land disposal:

- | | |
|---|--|
| ☒ Surface application | ☐ Subsurface application |
| ☐ Irrigation | ☐ Subsurface soils absorption |
| ☐ Drip irrigation system | ☐ Subsurface area drip dispersal system |
| ☐ Evaporation | ☐ Evapotranspiration beds |
| ☐ Other (describe in detail): Click to enter text. | |

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

For existing authorizations, provide Registration Number: 102886926

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

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

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
NATIVE RANGE GRASS & TREATMENT FACILITY	28	200	N

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

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	2.4	14.5	6'D x 663'L x 177'W	CLAY
2	2.4	14.5	6'D x 663'L x 177'W	CLAY

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

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

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

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

☐ Yes ☒ No

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

[Click to enter text.](#)

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

PREPARED WITH DATA PROVIDED BY NRCS.

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

THIS SITE WILL BE PROTECTED BY BERMS.

Section 5. Annual Cropping Plan (Instructions Page 68)

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

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

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

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

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

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

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
NONE			Choose an item.	

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.	

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

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

Section 7. Groundwater Quality (Instructions Page 69)

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

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

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

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

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

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

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

A. Soil map

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

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

B. Soil analyses

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

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

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
SEE ATTACHED NRCS SOIL REPORT				

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☒ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

Provide the number of each of the following types of industrial users (IUs) that discharge to your POTW and the daily flows from each user. See the Instructions for definitions of Categorical IUs, Significant IUs - non-categorical, and Other IUs.

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

In the past three years, has your POTW experienced treatment plant interference (see instructions)?

☐ Yes ☒ No

If yes, identify the dates, duration, description of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IUs that may have caused the interference.

Click to enter text.

C. Treatment plant pass through

In the past three years, has your POTW experienced pass through (see instructions)?

☐ Yes ☒ No

If **yes**, identify the dates, duration, a description of the pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass through event. Include the names of the IUs that may have caused pass through.

Click to enter text.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

If **yes**, complete Section 2.c. and 2.d. only, and skip Section 3.

If **no to either question above**, skip Section 2 and complete Section 3 for each significant industrial user and categorical industrial user.

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 90)

A. Substantial modifications

Have there been any **substantial modifications** to the approved pretreatment program that have not been submitted to the TCEQ for approval according to *40 CFR §403.18*?

☐ Yes ☐ No

If **yes**, identify the modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

B. Non-substantial modifications

Have there been any **non-substantial modifications** to the approved pretreatment program that have not been submitted to TCEQ for review and acceptance?

☐ Yes ☐ No

If yes, identify all non-substantial modifications that have not been submitted to TCEQ, including the purpose of the modification.

Click to enter text.

C. Effluent parameters above the MAL

In Table 6.0(1), list all parameters measured above the MAL in the POTW’s effluent monitoring during the last three years. Submit an attachment if necessary.

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

Has any SIU, CIU, or other IU caused or contributed to any problems (excluding interferences or pass throughs) at your POTW in the past three years?

☐ Yes ☐ No

If **yes**, identify the industry, describe each episode, including dates, duration, description of the problems, and probable pollutants.

Click to enter text.

Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 90)

A. General information

Company Name: NONE

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (i.e., process and non-process wastewater).

Click to enter text.

C. Product and service information

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

Click to enter text.

D. Flow rate information

See the Instructions for definitions of “process” and “non-process wastewater.”

Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: Click to enter text.

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the instructions?

☐ Yes ☐ No

Is the SIU or CIU subject to categorical pretreatment standards found in *40 CFR Parts 405-471*?

☐ Yes ☐ No

If subject to categorical pretreatment standards, indicate the applicable category and subcategory for each categorical process.

Category: Subcategories: [Click to enter text.](#)

[Click or tap here to enter text.](#) [Click to enter text.](#)

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

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

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

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

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

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

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

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

F. Industrial user interruptions

Has the SIU or CIU caused or contributed to any problems (e.g., interferences, pass through, odors, corrosion, blockages) at your POTW in the past three years?

☐ Yes ☐ No

If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

[Click to enter text.](#)

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 1
CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☐ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☒ Renewal (Core Data Form should be submitted with the renewal form)	☐ Other	
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600686398		RN 102886926

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership					
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
TERRELL COUNTY WATER CONTROL AND IMPROVEMENTS No. 1					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits) 74-6025248	10. DUNS Number (if applicable)
11. Type of Customer:		☒ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship		☐ Other:	
12. Number of Employees				13. Independently Owned and Operated?	
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher				☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other: ☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant					
15. Mailing Address:	PO. BOX 569				
	City	SANDERSON	State	TX	ZIP 79848 ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				TCWCID1@BIGBEND.NET	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(432) 345-2501		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
SANDERSON WASTEWATER TREATMENT PLANT								
23. Street Address of the Regulated Entity: (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
24. County								

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

25. Description to Physical Location:	0.25 MILES NORTH OF THE INTERSECTION OF US 90 AND SOUTHERN PACIFIC RAILROAD 2.5 MILES SOUTHEAST OF SANDERSON							
26. Nearest City	State				Nearest ZIP Code			
SANDERSON	TX				79848			
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
27. Latitude (N) In Decimal:		30.108583			28. Longitude (W) In Decimal:		102.363125	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	6	30.90	102	21	47.25			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)			32. Secondary NAICS Code (5 or 6 digits)		
4952			221320					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Wastewater Collection and Treatment								
34. Mailing Address:	PO Box 569							
	City	SANDERSON	State	TX	ZIP	79848	ZIP + 4	
35. E-Mail Address:		TCWCID1@BIGBEND.NET						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(432) 345-2501						() -		

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

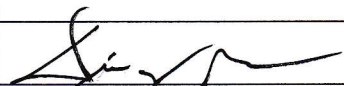
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water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

SECTION IV: Preparer Information

40. Name:	AMANDA FRAZIER	41. Title:	PROJECT MANAGER
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 518-0232		() -	AMANDA.FRAZIER@BURGESSNIPLE.COM

SECTION V: Authorized Signature

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

Company:	TERRELL COUNTY WATER CONTROL AND IMPROVEMENTS No. 1	Job Title:	GENERAL MANAGER
Name (In Print):	DIEGO GONZALES	Phone:	(432) 345- 2501
Signature:		Date:	03/04/2025

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 2
PLAIN LANGUAGE SUMMARY



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

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

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

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

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

Terrell County WC&ID No.1 (CN600686398) operates Sanderson Wastewater Treatment Plant (RN102886926), a wastewater treatment plant. The facility is located at 4.4 miles southeast of the intersection of state highway 285 and state highway 90 along state highway 90. The plant is on the northeast side of the road, in Sanderson, Terrell County, Texas 79848. This application is for renewal to discharge 200,000 gallons per day of treated domestic wastewater.

Municipal wastewater is treated and the pollutants expected to discharge from this facility include BOD, CBOD, COD, TOC, DO, Ammonia Nitrogen, TSS, Nitrate Nitrogen, Total organic nitrogen, Total phosphorous, Oil and grease, Total residue chloride, TDS, Sulfate, Chloride, Fluoride, Total alkalinity, Temperature, pH.

There is a pond system where influent enters through a bar screen and an influent metering station, thence to two facultative lagoons in series, and thence to two stabilization ponds in series, and finally thence to effluent metering station and discharge.

The TLAP disposal site latitude and longitude: (30° 06'28" N, 102° 21'53" W). The TLAP routing of effluent from the treatment facility to the disposal site is from the treatment plant via a four-inch pipe to the irrigation site within the fenced boundary of the treatment plant site. However, we are currently requesting a chapter 210 authorization in lieu of TLAP authorization. Copy of chapter 210 application is enclosed. The nearest watercourse to the disposal site to which rainfall runoff might flow if not contained is Sanderson Creek, thence to Rio Grande River No. 2306. The TPDES discharge outfall latitude and longitude: (30° 06' 36" N, 102° 21'45" W).

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

AGUAS RESIDUALES INDUSTRIALES /AGUAS PLUVIALES

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

Terrell County WC&ID No.1 (CN600686398) opera Planta de Tratamiento de Aguas Residuales Sanderson RN102886926, un planta de tratamiento de aguas residuales . La instalación está ubicada en 4 .4 millas al sureste de la intersección de la carretera estatal 285 y la carretera estatal 90 a lo largo de la carretera estatal 90. La planta está en el lado noreste de la carretera , en Sanderson, Condado de Terrell, Texas 79848. Esta solicitud es para renovar la descarga de 200.000 galones por día de aguas residuales domésticas tratadas. Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan BOD, CBOD, COD, TOC, DO, Ammonia Nitrogen, TSS, Nitrate Nitrogen, Total organic nitrogen, Total phosphorous, Oil and grease, Total residue chloride, TDS, Sulfate, Chloride, Fluoride, Total alkalinity, Temperature, pH. Agua potable. está tratado por lagunas facultativas primero, luego el agua pasa a lagunas de estabilización, y finalmente se descarga el agua después de pasar de la estación de medición.

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 3
ORIGINAL USGS MAP

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SANDERSON SE QUADRANGLE
TEXAS - TERRELL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Scale 1:24,000
NAD 83
Datum: NAD 83
Projection: UTM
Zone: 16N

NO WATER
WELLS WITHIN 1
MILE RADIUS OF
PLANT

FACULTATIVE LAGOONS

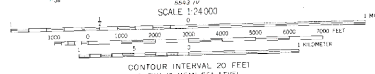
TREATMENT UNITS

PROPERTY BOUNDARY

1 MILE RADIUS

OXIDATION PONDS

IRRIGATION
AREAS



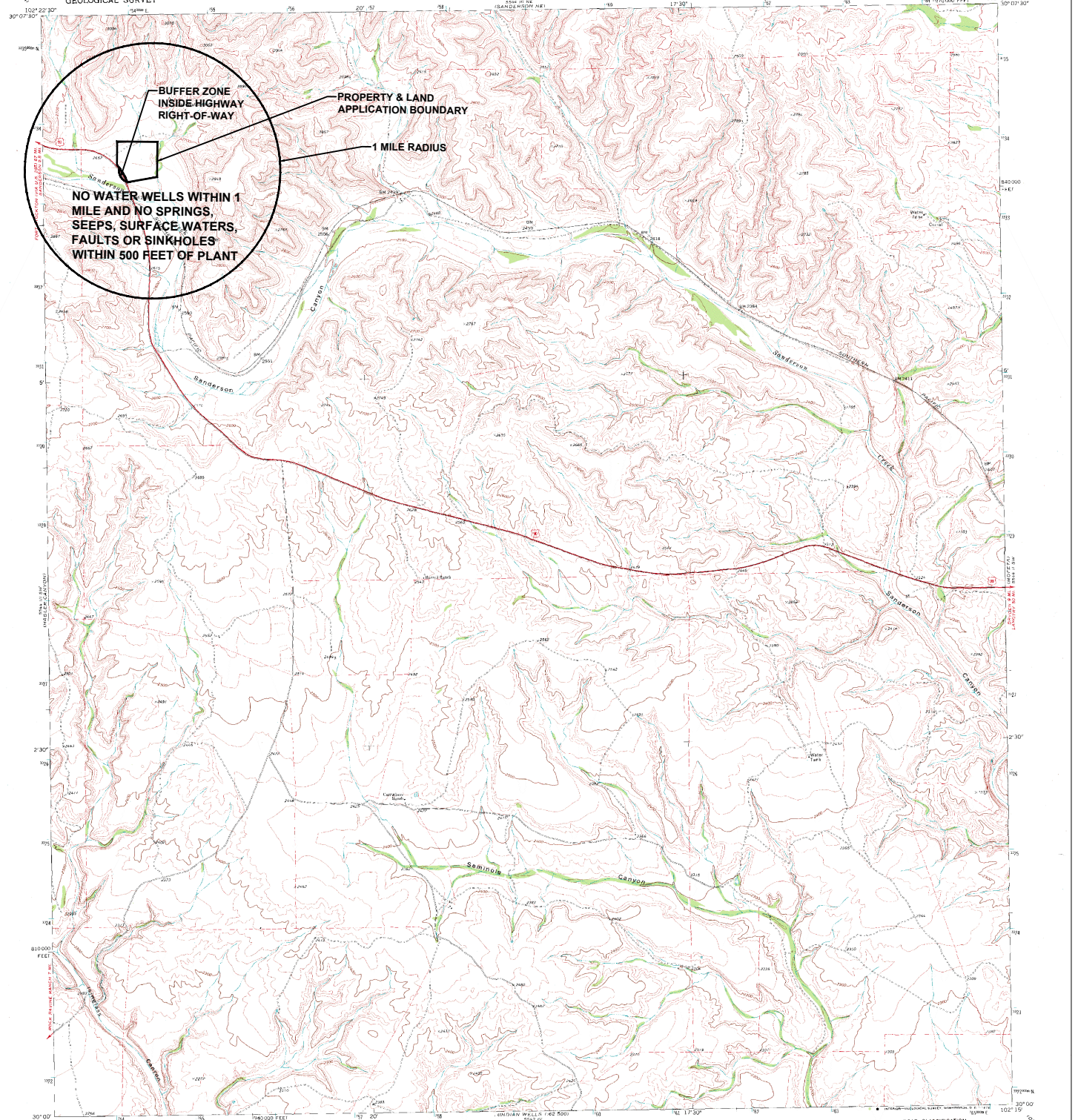
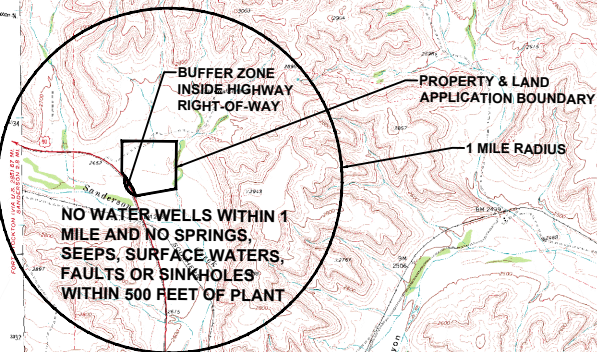
ROAD CLASSIFICATION
Primary highway, all weather. Lightly used road, all weather.
hard surface. Improved surface.
Unimproved road, fair or dry weather.
U.S. Route

SANDERSON SE, TEX.
N3000-W40215/7.5
1969
AMS 5644 III 92-SERIES 1982

THIS MAP COMPLES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20542
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SANDERSON SE. QUADRANGLE
TEXAS-TERRILL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Maped, edited, and published by the Geological Survey
Control by USGS and USCA&S
Topography by photogrammetric methods from aerial
photographs taken 1968. Field checked 1969
Polygons edited on 1967 North American datum
10,000-foot grid based on Texas coordinate system,
south central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 13, shown in blue
Fine red dashed lines indicate selected fence lines

USGS (GPO) 1968
DECLARATION BY CENTER OF GRAVITY

SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
DATA IS MEAN SEA LEVEL
THIS MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80202, OR WASHINGTON, D.C. 20542
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



ROAD CLASSIFICATION
Primary highway, all weather: Light-duty road, all weather
hard surface: Improved surface
Unimproved road, fair or dry
weather: U.S. Route

SANDERSON SE. TEX.
N 3000-W 10215/7.5
1969
AMS 5544 III SE-SC-RDS 1982

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 4
SPIF

GENERAL LOCATION MAP
USGS MAP

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: TERRELL COUNTY WATER CONTROL AND IMPROVEMENT DISTRICT No. 1 (WC&ID No.1)

Permit No. WQ00 14120001

EPA ID No. TX 0119555

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

THE SANDERSON WASTEWATER TREATMENT PLANT IS LOCATED 4.3 MILE SOUTHEAST OF THE INTERSECTION OF STATE HIGHWAY 285 AND STATE HIGHWAY 90 ALONG STATE HIGHWAY 90. THE PLANT IS ON THE NORTHEAST SIDE OF THE ROAD.

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

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

First and Last Name: DIEGO GONZALES

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

Title: GENERAL MANAGER

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX, 79848

Phone No.: 432-345-2501 Ext.: Fax No.: 432-345-2316

E-mail Address: TCWCID1@BIGBEND.NET

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

N/A

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

FOR EMERGENCY DISCHARGES PURPOSES ONLY, FROM PLANT THENCE TO SANDERSON CREEK, THENCE TO SEGEMENT No. 2306 OF THE RIO GRANDE RIVER BASIN.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

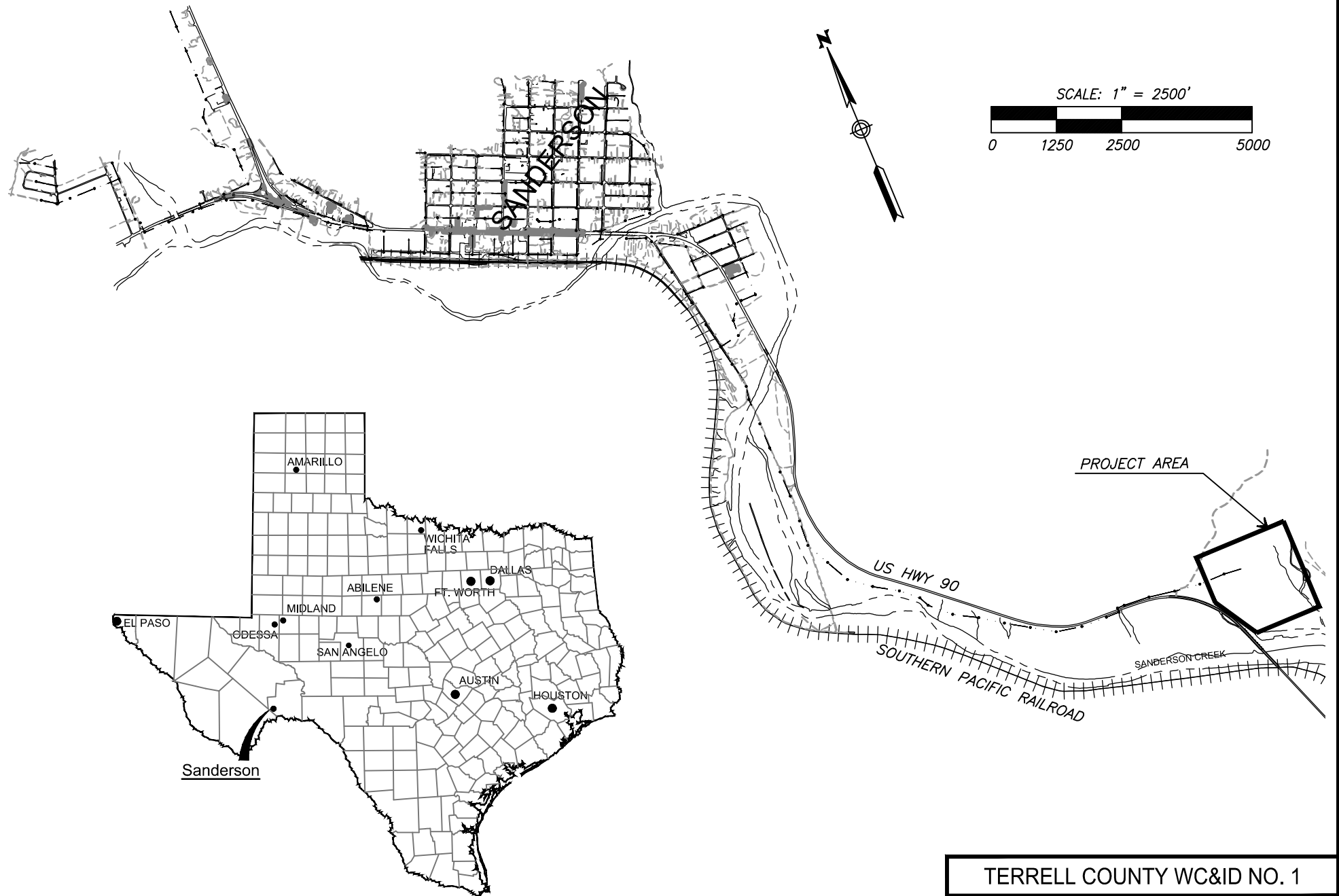
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

N/A

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

N/A



TERRELL COUNTY WC&ID NO. 1

SPIF EXHIBIT 2

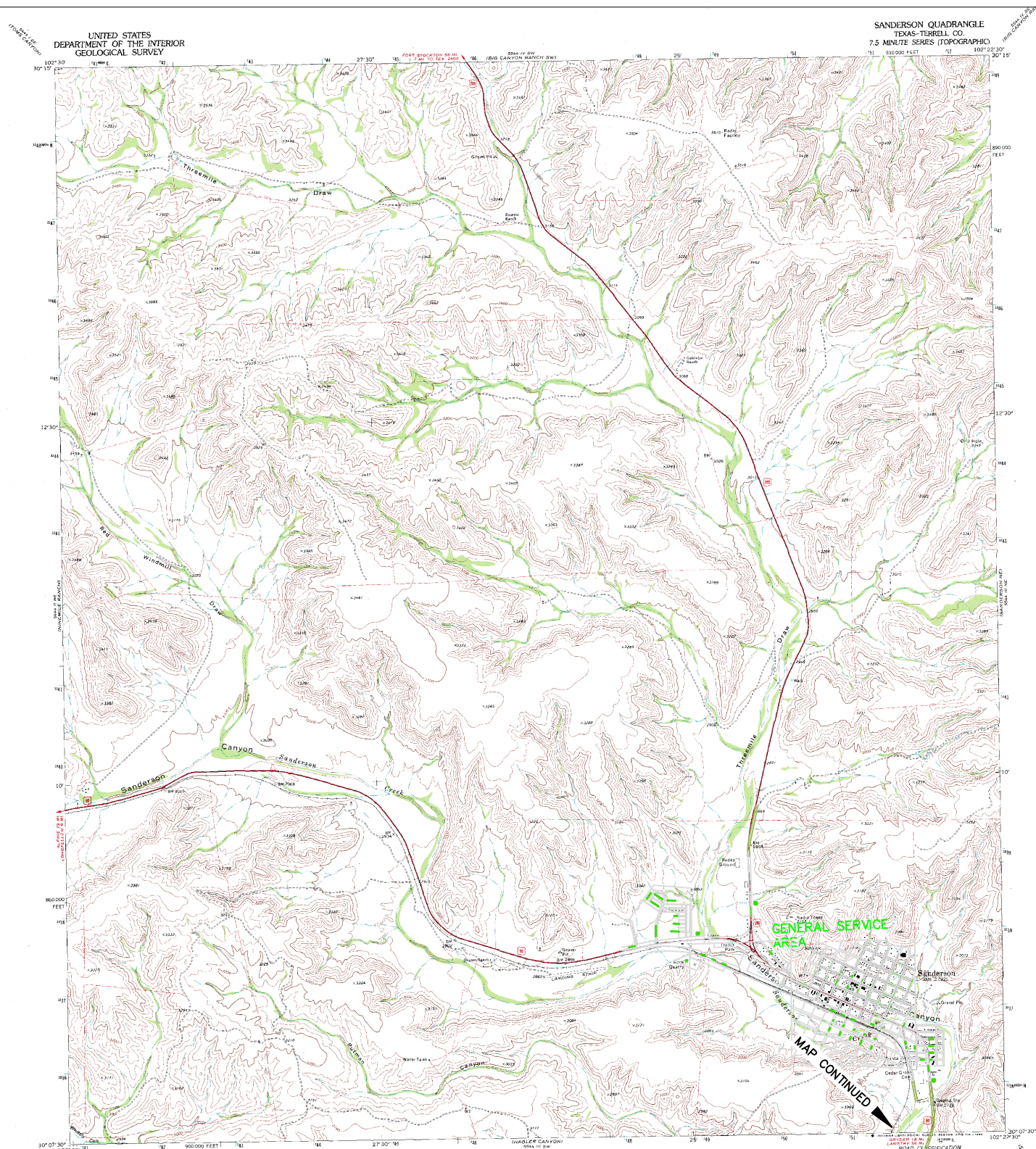
GENERAL LOCATION MAP

JANUARY 2025

TCEQ PERMIT No. WQ0014120-001

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SANDERSON QUADRANGLE
TEXAS-TERRELL CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS and NOS/NOAA
Topography by photogrammetric methods from aerial photographs
taken 1969. Field checked 1969.
Polyconic projection. 1927 North American Datum.
10,000-foot grid based on Texas coordinate system.
South central zone.
1000-meter Universal Transverse Mercator grid ticks, zone 13,
shown in blue.
The difference between 1927 North American Datum and North
American Datum of 1983 (NAD 83) for 7.5 minute quadrangles is
given in USGS Bulletin 1875. The NAD 83 is shown by dashed
corner ticks.
Fine red dashed lines indicate selected fence lines.

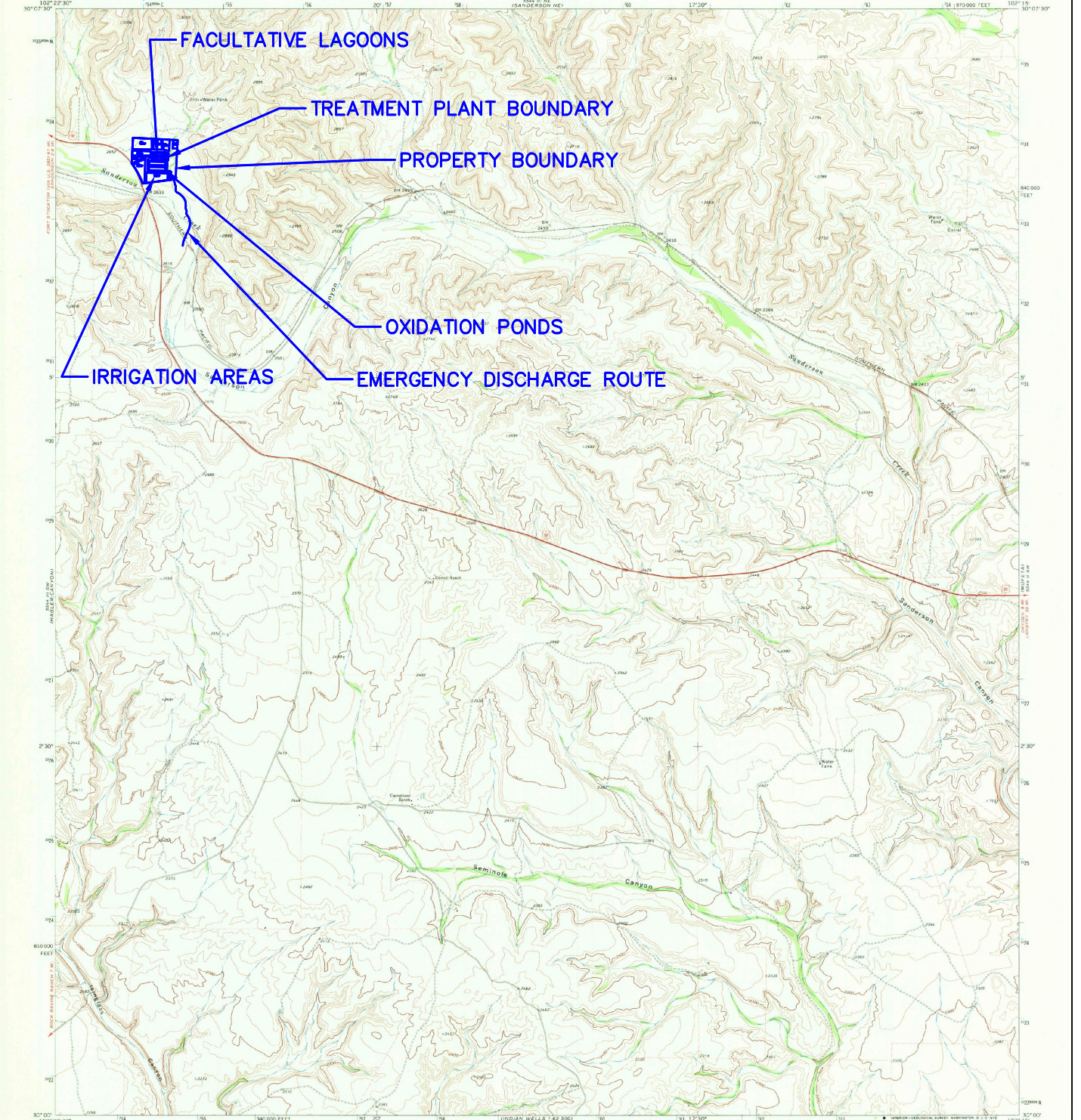
SCALE 1:24,000
CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1985

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80205, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

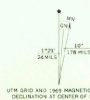


ROAD CLASSIFICATION
Primary highway, all weather
Secondary highway, all weather
Light duty road, all weather
Improved surface
Unimproved road, fair or dry
weather
U. S. Route
SANDERSON, TEX.
30102 36 11 024
1999
DMA 5548 B1 NW-SERIES 1982

3002-123



Mapped, edited, and published by the Geological Survey
Control by USGS and JSC&S
Topography by photogrammetric methods from aerial
photographs taken 1956. Field checked 1969
Polyconic projection, 1927 North American datum
15,000-foot grid based on Texas coordinate system,
south central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 13, shown in blue
Thin red dashed lines indicate selected fence lines



SCALE 1:24,000
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL



ROAD CLASSIFICATION
Primary highway, all weather
Light-duty road, all weather
Hard surface
Improved surface
Unimproved road, fair or dry
weather
U. S. Route

THIS MAP COMPILED WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

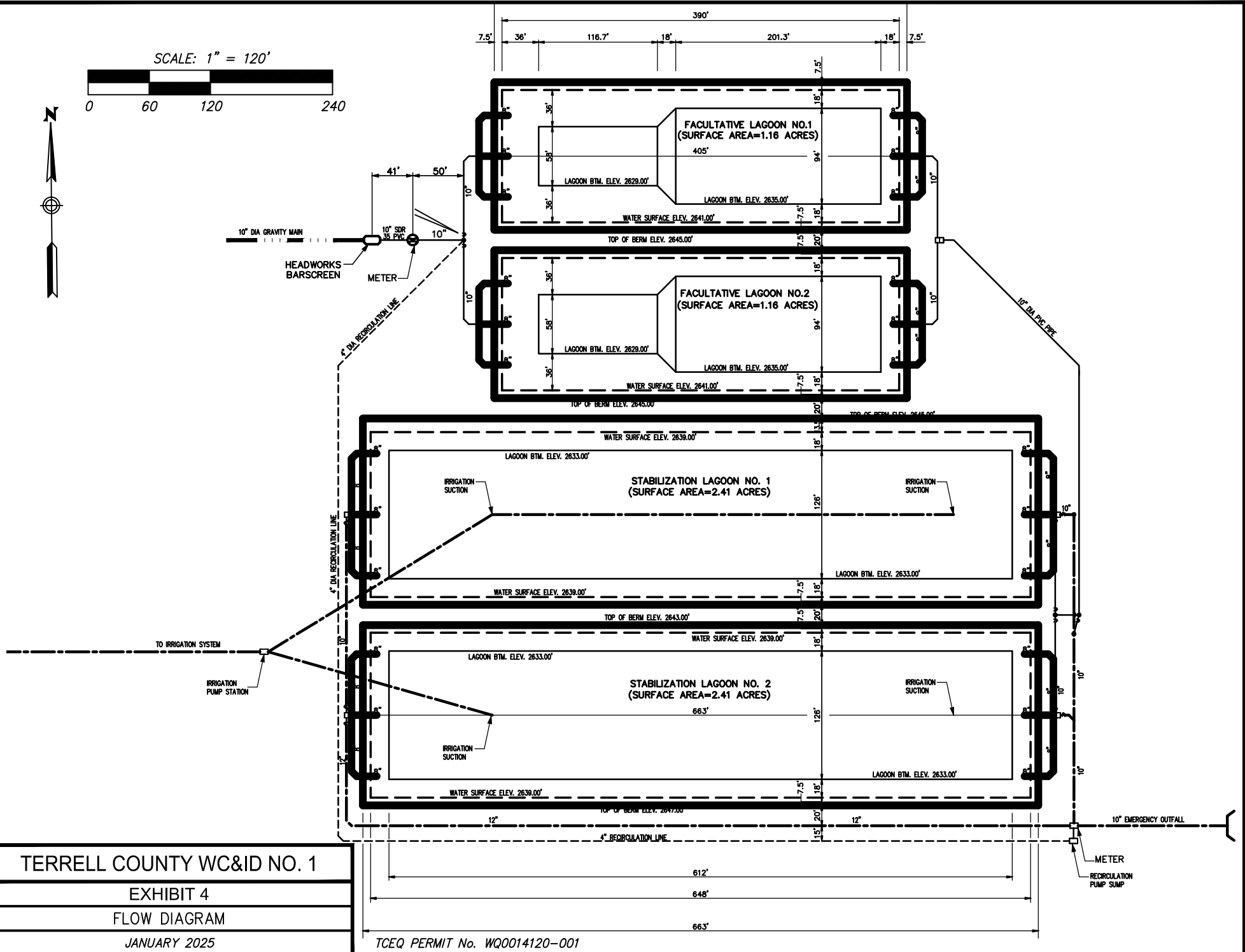
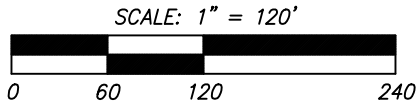
1969
METEOROLOGICAL
DIVISION

SANDERSON SE, TEX.
N3000-W100157.5
1969

NOV 6 1969

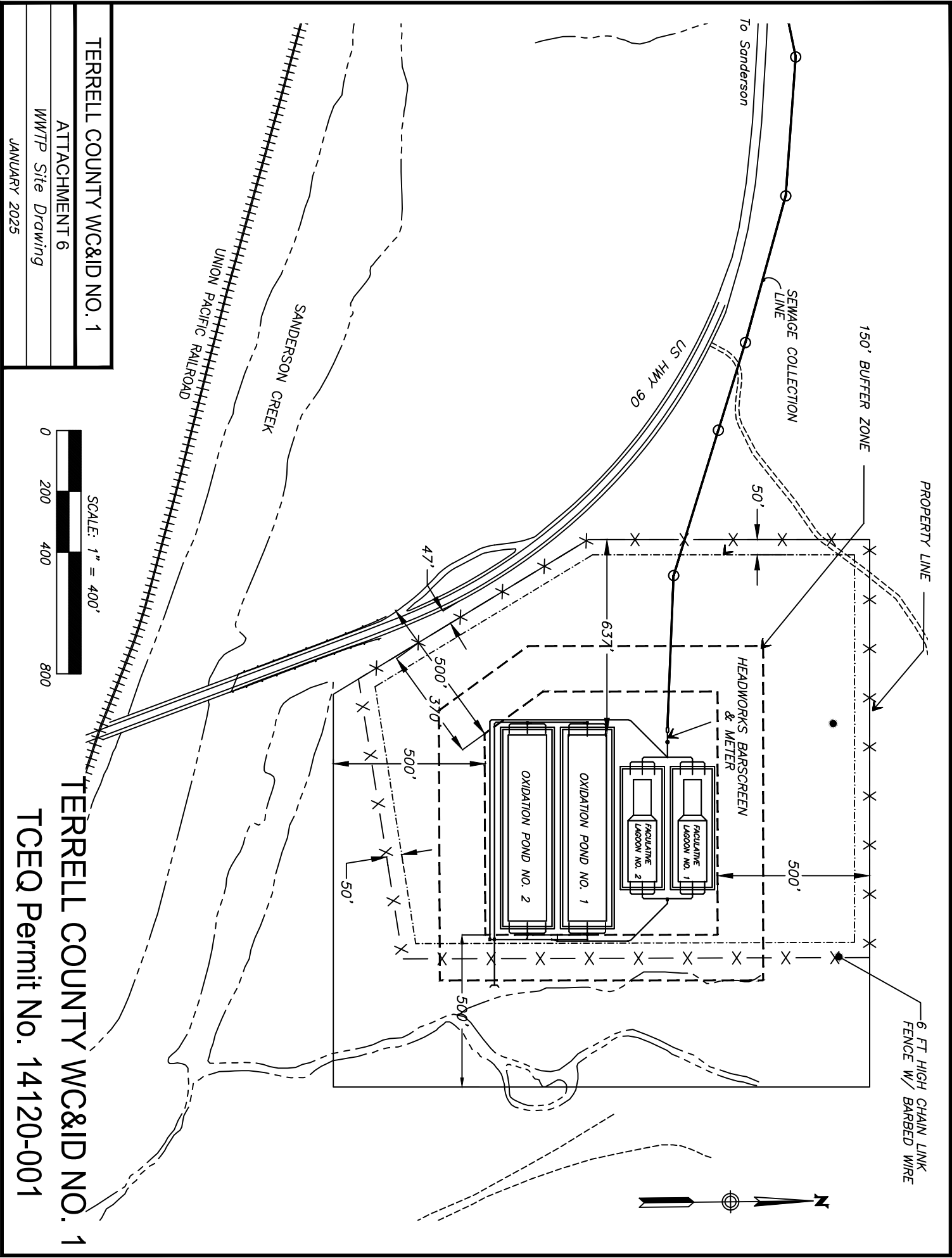
TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 5
PROCESS FLOW DIAGRAM



TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 6
SITE DRAWING



TERRELL COUNTY WC&ID NO. 1

ATTACHMENT 6

WWTP Site Drawing

JANUARY 2025

SCALE: 1" = 400'



TERRELL COUNTY WC&ID NO. 1

TCEQ Permit No. 14120-001

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 7
TCEQ CORRESPONDENCE

TERRELL COUNTY WC&ID No. 1
WASTEWATER TREATMENT PLANT
DISCHARGE PERMIT RENEWAL

ATTACHMENT 8
CHEMICAL ANALYSIS OF TREATED EFFLUENT

CITY OF ODESSA LABORATORY SERVICES TEST RESULTS



Laboratory Address: 817 W. 42nd Street
Mailing Address: 817 W. 42nd Street
 Odessa, TX 79764
Contact: Jason Wells
Phone: 432-368-3536
Email: jwells@odessa-tx.gov

Customer: Terrell County WCID
Address: P.O. Box 569
 Sanderson, TX 79848
Sample Location: Sanderson WWTP
Date of Collection: 1/9/2025
Time of Collection: 6:45 AM
Collected by: Tom Lowrance
Sample receipt date: 1/9/2025
Report Number: 011425REP09

Laboratory ID Code	Parameter	Method Number	Date of Analysis	Time of Analysis	Analyst(s)	Results	Units	RL	Batch	Flag
010925348	BOD ₅	SM 5210B	1/9/2025	12:46 PM	LW:LW	25.9	mg/L	1.00	1	

BOD₅ QUALITY CONTROL RESULTS

Batch: 1

Blank		MD Precision		LCS Accuracy	
Limit: ≤ 0.20 mg/L		Limit: ≤ 25.0%		Limit: 84.6 - 115.4%	
Blank	Flag	Sample Reading	MD Reading	RPD	LCS Reading
≤ 0.20 mg/L		7.34	8.11	9.90	199.5
					Conc
					198
					% Recovery
					100.8
					Flag

- Notes:
- The data for precision and accuracy are generated on a sample analyzed in the same batch as the customer's sample. These values may or may not have been based on the customer's sample.
 - A blank space indicates that it is either not applicable or not performed.
 - These results relate only to the samples listed.
 - This report cannot be reproduced except in full without written approval of the laboratory.
 - The results contained in this report meet all the requirements of the TNI standards for accreditation.
 - MQL = Minimum Quantitation Level, LCS = Laboratory Control Sample, MD = Matrix Duplicate, MS = Matrix Spike
 - MSD = Matrix Spike Duplicate.
 - Samples will be disposed of at the end of the method holding time or 30 days from the date the report is mailed to the customer, whichever is shorter.
 - Explanation of Flags used in this report:

Jason Wells
 Laboratory Management

1/15/25
 Date

Melissa Pipes
 Quality Assurance Officer

1/15/25
 Date

CITY OF ODESSA LABORATORY SERVICES TEST RESULTS



Laboratory Address: 817 W. 42nd Street
Mailing Address: 817 W. 42nd Street
 Odessa, TX 79764
Contact: Jason Wells
Phone: 432-368-3536
Email: jwells@odessa-bx.gov

Customer: Terrell County WCID
Address: P.O. Box 569
 Sanderson, TX 79848
Sample Location: Sanderson WWTP
Date of Collection: 1/9/2025
Time of Collection: 6:45 AM
Collected by: TL
Sample receipt date: 1/9/2025
Report Number: 011625REP01

Laboratory ID Code	Parameter	Method Number	Date of Analysis	Time of Analysis	Analyst(s)	Results	Units	MDL/RL	Batch	Flag
010925348	CBOD ₅	SM 5210 B	1/9/2025	12:47 PM	LW:LW	19.5	mg/L	1.00	1	
010925350	TSS	SM 2540 D	1/9/2025	12:04 PM	MM	40.7	mg/L	0.500	1	
010925351	Ammonia	SM 4500-NH ₃ D	1/10/2025	2:28 PM	MH	7.29	mg/L	0.200	1	
010925350	Nitrate	EPA 300.0	1/9/2025	12:11 PM	MH	< 0.200	mg/L	0.200	1	
010925350	Chloride	EPA 300.0	1/9/2025	12:11 PM	MH	62.8	mg/L	20.0	1	
010925351	t-Phosphorus	SM 4500-P E	1/9/2025	1:00 PM	MH	4.85	mg/L	0.100	1	
010925352	E. coli	Coliport SM 9223 B	1/9/2025	1:19 PM	CP:CP	19.9	MPN/100 mL	1	1	
010925350	TDS	SM 2540 C	1/10/2025	10:00 AM	GL	527	mg/L	95.0	1	
010925350	Alkalinity ^a	SM 2320 B	1/10/2025	1:26 PM	GL	297	mg/L	20.0	1	
010925350	Sulfate	EPA 300.0	1/9/2025	12:11 PM	MH	20.4	mg/L	2.00	1	
010925353	Oil & Grease	EPA 1664, Rev B	1/14/2025	10:46 AM	GL	< 5.0	mg/L	5.00	1	

Notes: 1. The data for precision and accuracy are generated on a sample analyzed in the same batch as the customer's sample.

These values may or may not have been based on the customer's sample.

2. A blank space indicates that it is either not applicable or not performed.

3. These results relate only to the samples listed.

4. This report cannot be reproduced except in full without written approval of the laboratory.

5. The results contained in this report meet all the requirements of the TNI standards for accreditation.

6. MQL = Minimum Quantitation Level, LCS = Laboratory Control Sample, MD = Matrix Duplicate, MS = Matrix Spike

MSD = Matrix Spike Duplicate.

7. Samples will be disposed of at the end of the method holding time or 30 days from the date the report is mailed to the customer, whichever is shorter.

8. The Alkalinity reported as mg/L CaCO₃ to a pH of 4.5 equals the Alkalinity result(s) listed above.

9. Analysis performed by City of Odessa's Contract Lab.

10. Explanation of Flags used in this report:

Jason Wells
 Laboratory Management

1/16/25
 Date

Melissa Pipes
 Quality Assurance Officer

1/17/25
 Date

Project
1132551

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 01/17/2025
14:27

TABLE OF CONTENTS

This report consists of this Table of Contents and the following pages:

<u>Report Name</u>	<u>Description</u>	<u>Pages</u>
1132551_r02_01_ProjectSamples	SPL Kilgore Project P:1132551 C:ODES Project Sample Cross Reference t:304	1
1132551_r03_03_ProjectResults	SPL Kilgore Project P:1132551 C:ODES Project Results t:304 PO: 22201773 - 01	2
1132551_r10_05_ProjectQC	SPL Kilgore Project P:1132551 C:ODES Project Quality Control Groups	1
1132551_r99_09_CoC__1_of_1	SPL Kilgore CoC ODES 1132551_1_of_1	2
Total Pages:		6





SAMPLE CROSS REFERENCE

Project
1132551

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Printed 1/17/2025 Page 1 of 1

Sample	Sample ID	Taken	Time	Received
2372928	SANDERSON WWTP	01/09/2025	06:45:00	01/15/2025

Bottle 01 8 oz Plastic H2SO4 pH < 2
Bottle 02 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1156329) Volume: 20.00000 mL <== Derived from 01 (20 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 351.2 2	02	1156329	01/16/2025	1156672	01/17/2025

Email: Kilgore.ProjectManagement@spllabs.com

ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Page 1 of 2

Project
1132551

Printed: 01/17/2025

RESULTS

Sample Results

2372928 SANDERSON WWTP

Received: 01/15/2025

Non-Potable Water

Collected by: Client
Taken: 01/09/2025

City of Odessa
06:45:00

PO: 22201773 - 01

EPA 351.2 2

Prepared: 1156329 01/16/2025 08:16:18 Analyzed 1156672 01/17/2025 07:02:00 AMB

Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC Total Kjeldahl Nitrogen	12.4	mg/L	0.250		7727-37-9	02

Sample Preparation

2372928 SANDERSON WWTP

Received: 01/15/2025

22201773 - 01

01/09/2025

Prepared: 01/15/2025 18:01:32 Calculated 01/15/2025 18:01:32 CAL

Environmental Fee (per Sampling)

Verified

EPA 351.2, Rev 2.0

Prepared: 1156329 01/16/2025 08:16:18 Analyzed 1156329 01/16/2025 08:16:18 MEG

NELAC TKN Block Digestion	20/20	ml				01
---------------------------	-------	----	--	--	--	----



Report Page 3 of 7

2600 Dudley Rd. Kilgore, Texas 75662
24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914



ODES-W

Page 2 of 2

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Project
1132551

Printed: 01/17/2025

Qualifiers:

We report results on an As Received (or Wet) basis unless marked Dry Weight.

Unless otherwise noted, testing was performed at SPL, Inc.- Kilgore laboratory which holds International, Federal, and state accreditations. Please see our Websites for details.

(N)ELAC - Covered in our NELAC scope of accreditation

z -- Not covered by our NELAC scope of accreditation

These analytical results relate to the sample tested. This report may NOT be reproduced EXCEPT in FULL without written approval of SPL Kilgore. Unless otherwise specified, these test results meet the requirements of NELAC.

RL is the Reporting Limit (sample specific quantitation limit) and is at or above the Method Detection Limit (MDL). CAS is Chemical Abstract Service number. RL is our Reporting Limit, or Minimum Quantitation Level. The RL takes into account the Instrument Detection Limit (IDL), Method Detection Limit (MDL), and Practical Quantitation Limit (PQL), and any dilutions and/or concentrations performed during sample preparation (EQL). Our analytical result must be above this RL before we report a value in the 'Results' column of our report (without a 'J' flag). Otherwise, we report ND (Not Detected above RL), because the result is "<" (less than) the number in the RL column. MAL is Minimum Analytical Level and is typically from regulatory agencies. Unless we report a result in the result column, or interferences prevent it, we work to have our RL at or below the MAL.

Bill Peery, MS, VP Technical Services



Report Page 4 of 7

QUALITY CONTROL



ODES-W

City of Odessa
Jason Wells
817 West 42nd St.
Odessa, TX 79764

Page 1 of 1

Project
1132551

Printed 01/17/2025

Analytical Set 1156672

EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1156329	ND	0.00712	0.050	mg/L	127224634

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.24	5.00	mg/L	105	90.0 - 110	127224620
Total Kjeldahl Nitrogen	5.27	5.00	mg/L	105	90.0 - 110	127224621
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	127224622
Total Kjeldahl Nitrogen	5.32	5.00	mg/L	106	90.0 - 110	127224623
Total Kjeldahl Nitrogen	5.34	5.00	mg/L	107	90.0 - 110	127224632
Total Kjeldahl Nitrogen	5.33	5.00	mg/L	107	90.0 - 110	127224643
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	127224654
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	127224660
Total Kjeldahl Nitrogen	5.36	5.00	mg/L	107	90.0 - 110	127224661
Total Kjeldahl Nitrogen	5.36	5.00	mg/L	107	90.0 - 110	127224663

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2372007	ND	ND	mg/L		20.0
Total Kjeldahl Nitrogen	2372015	1.45	1.13	mg/L	24.8 *	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	127224619

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1156329	5.11	5.00	5.00	90.0 - 110	102	100	mg/L	2.18	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Kjeldahl Nitrogen	2372007	0.023	ND	5.00	mg/L	0	80.0 - 120	127224639	*
Total Kjeldahl Nitrogen	2372015	5.63	1.13	5.00	mg/L	90.0	80.0 - 120	127224642	

* Out RPD is Relative Percent Difference: $\text{abs}(r_1 - r_2) / \text{mean}(r_1, r_2) * 100\%$

Recover% is Recovery Percent: $\text{result} / \text{known} * 100\%$

Blank - Method Blank (reagent water or other blank matrices that contains all reagents except standard(s) and is processed simultaneously with and under the same conditions as samples; carried through preparation and analytical procedures exactly like a sample; monitors); CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); ICV - Initial Calibration Verification; LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.)

Email: Kilgore.ProjectManagement@spllabs.com



Report Page 5 of 7

Report Page 6 of 7

Francesca Findlay

From: Francesca Findlay
Sent: Monday, March 31, 2025 9:59 AM
To: Diego TCWCID 1
Cc: Amanda Frazier
Subject: RE: Nori WQ0014120001 Terrell County Water Control Improvement District No. 1

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning,

As I was reviewing your application, I noticed that the last permit was a TLAP. On the information that was provided you are requesting this to be a TPDES renewal. Under further review if you are wanting to amend the discharge this would be considered a Major Amendment with Renewal.

We would also need to provide another NOD once the new application was submitted.

If you are requesting a Major Amendment with Renewal. We would need the following documents.

- Submit an additional \$35.00 payment for the major amendment application fee to TCEQ, Revenue Section (MC 214), P.O. Box 13088, Austin, Texas 78711-3088. Please reference the type of application, name of the applicant, the permit number, and that the fee is an additional application fee. Please provide a copy of this check with your response to this letter.
- Submit Administrative Report 1.1 on pages 21-23 of the administrative report.
- Submit all pages of the Technical Report and Worksheets that are applicable to Major Amendment applications.
- Item 1.a: Please submit a landowners map indicating the applicant's complete property boundaries, location of the treatment facility within the applicant's property, the distance the buffer zone falls into adjacent properties and the property boundaries of any landowners located within the buffer zone, the property boundaries of all landowners surrounding the applicant's property, point of discharge, the highlighted discharge route for one mile downstream from the point of discharge, the property boundaries of all landowners surrounding the point of discharge and adjacent to the discharge route for one mile downstream.
-
- Item 1.b: Please submit the mailing list by either submitting it electronically on a read/write compact disk (CD-RW) using Microsoft Word, or as 4 sets of printed labels. The list should be in Avery 5160 label format (3 columns across, 10 rows down) and follow US Postal Service guidelines for machine readability.
-
- Item 2.a: Please submit a buffer zone map that includes the applicant's property boundary, the required buffer zone, each treatment unit and the distance from each treatment unit to the property boundaries.

Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at
<http://www.tceq.texas.gov/customersurvey>.

Francesca Findlay

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Monday, March 31, 2025 2:44 PM
To: Francesca Findlay
Cc: Amanda Frazier; Alicia Gonzales
Subject: Re: Nori WQ0014120001 Terrell County Water Control Improvement District No. 1

Francesca,

I see the 2015 permit is for land application of treated domestic effluent at 0.15 MGD. Changing to TPDES was a mistake on my part after review with my supervisor. There have been no changes to the existing treatment system since the last permit was filed so we will proceed with the same permit type as shown on your records. To confirm, we will keep TLAP disposal based off of the existing 2015 permit.

From your letter dated March 10, 2025, line item 4 requests verification of TPDES for the permit. Please disregard our response to this. Please refer to our original submission dated 2/24/2025 with the correct TLAP disposal section. I can provide a copy of this if you no longer have access to it.

Please let me know if this satisfies your needs for administrative approval.

Thank you,

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.

o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com



From: Amanda Frazier
Sent: Monday, March 31, 2025 10:01 AM
To: Juan Granados; Alicia Gonzales
Subject: Fw: Nori WQ0014120001 Terrell County Water Control Improvement District No. 1

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, March 31, 2025 9:58:52 AM
To: Diego TCWCID 1 <tcwcid1@bigbend.net>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>
Subject: RE: Nori WQ0014120001 Terrell County Water Control Improvement District No. 1

Good morning,

As I was reviewing your application, I noticed that the last permit was a TLAP. On the information that was provided you are requesting this to be a TPDES renewal. Under further review if you are wanting to amend the discharge this would be considered a Major Amendment with Renewal.

We would also need to provide another NOD once the new application was submitted.

If you are requesting a Major Amendment with Renewal. We would need the following documents.

- **Submit an additional \$35.00 payment for the major amendment application fee to TCEQ, Revenue Section (MC 214), P.O. Box 13088, Austin, Texas 78711-3088. Please reference the type of application, name of the applicant, the permit number, and that the fee is an additional application fee. Please provide a copy of this check with your response to this letter.**
- **Submit Administrative Report 1.1 on pages 21-23 of the administrative report.**
- **Submit all pages of the Technical Report and Worksheets that are applicable to Major Amendment applications.**
- **Item 1.a: Please submit a landowners map indicating the applicant's complete property boundaries, location of the treatment facility within the applicant's property, the distance the buffer zone falls into adjacent properties and the property boundaries of any landowners located within the buffer zone, the property boundaries of all landowners surrounding the applicant's property, point of discharge, the highlighted discharge route for one mile downstream from the point of discharge, the property boundaries of all landowners surrounding the point of discharge and adjacent to the discharge route for one mile downstream.**
-
- **Item 1.b: Please submit the mailing list by either submitting it electronically on a read/write compact disk (CD-RW) using Microsoft Word, or as 4 sets of printed labels. The list should be in Avery 5160 label format (3 columns across, 10 rows down) and follow US Postal Service guidelines for machine readability.**
-
- **Item 2.a: Please submit a buffer zone map that includes the applicant's property boundary, the required buffer zone, each treatment unit and the distance from each treatment unit to the property boundaries.**

Please let me know if you have any questions.

Thank you,

**Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441**

Texas Commission on Environmental Quality



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Francesca Findlay

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Friday, March 28, 2025 3:50 PM
To: Francesca Findlay
Cc: Amanda Frazier; Alicia Gonzales
Subject: Re: WQ0014120001 Terrell County Water Control Improvement District No. 1

Francesca,

0.25 MILES NORTH OF THE INTERSECTION OF US 90 AND SOUTHERN PACIFIC RAILROAD 2.5 MILES SOUTHEAST OF SANDERSON is the correct address we are using for this application.

Thank you,

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.

o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com



From: Amanda Frazier
Sent: Friday, March 28, 2025 11:14 AM
To: Juan Granados; Alicia Gonzales
Subject: Fw: WQ0014120001 Terrell County Water Control Improvement District No. 1

Amanda Frazier, P.E.
Project Engineer

Burgess & Niple, Inc.
512.306.9266 x6403
cell 225.200.2906
10801-2 N. Mopac Expressway | Suite 340
Austin, TX 78759
burgessniple.com

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Friday, March 28, 2025 10:57 AM
To: tcwcid1@bigbend.net <tcwcid1@bigbend.net>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>
Subject: RE: WQ0014120001 Terrell County Water Control Improvement District No. 1

You don't often get email from francesca.findlay@tceq.texas.gov. [Learn why this is important](#)

Good morning,

I am in the process of admin. completing your application and want to make sure the address that was given on the Core Data Form is correct. The last permit has a different address.

The address on the Core Data Form:

The domestic wastewater treatment facility is located approximately 0.25 miles north of the intersection of U.S. 90 and southern pacific railroad in the city of Sanderson, in Terrell County, Texas 79848.

The address on the last permit:

The domestic wastewater is located approximately 4.3 miles southeast of the intersection of U.S. Highway 285 and U.S.

Highway 90 along U.S. Highway 90 on of the northeast side of the road, in Terrell County, Texas 79848.

Please verify the address that you would like to use on your Core Data Form. If the address needs to be updated, please provide an updates Core Data Form with new Latitude and Longitude and the updated address.

Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

From: Francesca Findlay
Sent: Monday, March 10, 2025 1:57 PM
To: tcwcid1@bigbend.net
Cc: amanda.frazier@burgessniple.com
Subject: FW: WQ0014120001 Terrell County Water Control Improvement District No. 1

Dear Mr. Gonzales:

The attached Notice of Deficiency letter sent on March 10, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention March 24, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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Water/Wastewater Engineer III
Burgess & Niple, Inc.

o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com



From: Amanda Frazier
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Amanda Frazier, P.E.
Project Engineer

Burgess & Niple, Inc.
512.306.9266 x6403
cell 225.200.2906
10801-2 N. Mopac Expressway | Suite 340
Austin, TX 78759
burgessniple.com

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Sent: Friday, March 28, 2025 10:57 AM
To: tcwcid1@bigbend.net <tcwcid1@bigbend.net>
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Subject: RE: WQ0014120001 Terrell County Water Control Improvement District No. 1

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Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



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

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

- ☐ E-mail Address
☐ Fax
☒ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: MR. Last Name, First Name: GONZALES, DIEGO
Title: GENERAL MANAGER Credential: Click to enter text.
Organization Name: TERRELL COUNTY WC&ID No.1
Mailing Address: P.O. BOX 569 City, State, Zip Code: SANDERSON, TX 79848
Phone No.: 432-345-2501 E-mail Address: TCWCID1@BIGBEND.NET

D. Public Viewing Information

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

Public building name: TERRELL COUNTY COURTHOUSE
Location within the building: CLERK'S OFFICE
Physical Address of Building: 105 EAST HACKBERRY
City: SANDERSON County: TERRELL
Contact (Last Name, First Name): GONZALES, DIEGO
Phone No.: 432-345-2501 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? [Click to enter text.](#)

F. Plain Language Summary Template

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

Attachment: ATTACHEMENT 2

G. Public Involvement Plan Form

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

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

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 102886926

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

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

SANDERSON WASTEWATER TREATMENT PLANT

C. Owner of treatment facility: TERRELL COUNTY WC&ID No.1

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

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

Prefix: [Click to enter text.](#) Last Name, First Name: [Click to enter text.](#)

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

Organization Name: TERRELL COUNTY WC&ID No.1

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

Phone No.: [Click to enter text.](#) E-mail Address: TCWCID1@BIGBEND.NET

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

Attachment: N/A

E. Owner of effluent disposal site:

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

Last Name, First Name: [Click to enter text.](#)

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

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

Organization Name: TERRELL COUNTY WC&ID No.1

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

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

Phone No.: [Click to enter text.](#)

E-mail Address: TCWCID1@BIGBEND.NET

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

Attachment: N/A

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

Prefix: N/A

Last Name, First Name: N/A

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

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

Organization Name: N/A

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

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

Phone No.: [Click to enter text.](#)

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

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

Attachment: N/A

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

THE SANDERSON WASTEWATER TREATMENT PLANT IS LOCATED 4.3 MILE SOUTHEAST OF THE INTERSECTION OF STATE HIGHWAY 285 AND STATE HIGHWAY 90 ALONG STATE HIGHWAY 90. THE PLANT IS ON THE NORTHEAST SIDE OF THE ROAD.

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

☒ Yes ☐ No

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

[Click to enter text.](#)

City nearest the outfall(s): SANDERSON

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

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

Francesca Findlay

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Wednesday, March 26, 2025 3:54 PM
To: Francesca Findlay
Cc: Amanda Frazier; Alicia Gonzales
Subject: Re: WQ0014120001 Terrell County Water Control Improvement District No. 1
Attachments: Re-Submission-3.26.25.pdf

Francesca,

Pages 6-8 of 17 of the Administrative report are attached. Please let me know if this satisfies your needs.

Juan Granados, E.I.T.

Water/Wastewater Engineer III

Burgess & Niple, Inc.

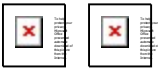
o. 614.459.2050

c. 205.461.7922

10801-2 N. Mopac Expressway - Suite 340

Austin, TX 78759

burgessniple.com



From: Amanda Frazier

Sent: Wednesday, March 26, 2025 2:23 PM

To: Juan Granados; Alicia Gonzales

Subject: Fw: WQ0014120001 Terrell County Water Control Improvement District No. 1

Amanda Frazier, P.E.

Project Engineer

Burgess & Niple, Inc.

512.306.9266 x6403

cell 225.200.2906

10801-2 N. Mopac Expressway | Suite 340

Austin, TX 78759

burgessniple.com

From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>

Sent: Wednesday, March 26, 2025 2:18 PM

To: tcwcid1@bigbend.net <tcwcid1@bigbend.net>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>
Subject: RE: WQ0014120001 Terrell County Water Control Improvement District No. 1

You don't often get email from francesca.findlay@tceq.texas.gov. [Learn why this is important](#)

Good afternoon,

I am in the process of admin completing your application, I notice on my review that some of the pages are missing from the application with the updates. Pages 6-8 are missing with the notice information. Please provide the missing pages. Please let me know if you have any questions.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

From: Francesca Findlay
Sent: Monday, March 10, 2025 1:57 PM
To: tcwcid1@bigbend.net
Cc: amanda.frazier@burgessniple.com
Subject: FW: WQ0014120001 Terrell County Water Control Improvement District No. 1

Dear Mr. Gonzales:

The attached Notice of Deficiency letter sent on March 10, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention March 24, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist

ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

Note:
These electronic documents are provided by Burgess & Niple (B&N) as a convenience to our clients.
It is our professional opinion that this electronic information provides information current as of the date of its release. Any use of this information is at the sole risk and liability of the user. The user is responsible for updating information to reflect any changes in the information following the preparation date of this transmittal. The delivery of this information in electronic format is for the benefit of the owner for whom the services have been performed. Nothing in the transfer should be construed to provide any right to third parties to rely on the information provided, or that the use of this information implies the review and approval of Burgess & Niple.

BURGESS & NIPLE

1801-2 N. Mopac Expressway Suite 340 Austin, TX 78759 | 512.306.9266 | burgessniple.com

Response to March, 10 2025 Letter

RE: Application to Renew for Permit No.: WQ0014120001

Applicant Name: Terrell County Water Control Improvement District No. 1 (CN600686398)

Site Name: Sanderson WWTP (RN102886926)

Type of Application: Renewal without changes

To whom it may concern,

We have received the TCEQ's response to the renewal permit application submitted on behalf of the Terrell County Water Control & Improvements District Number 1 for permit WQ0014120001. Please see our responses recorded **in red** below. Additional attachments are attached in the appendix of this document.

Administrative Report 1.0, Section 3-A: Please provide the name of the person who signed the application.

Blair Chriesman, President. See updated Administrative Report Section 3 Page.

Administrative Report 1.0, Section 8, item D: Please verify that the application will be available for viewing and copying in a public place. A public place is one built and/or maintained with taxpayer funds (e.g. Public Library, Court House, City Hall). The public place must be located in the county in which the facility is located. Please submit revised pages providing the name and physical address (post office box addresses are not acceptable) of a publicly owned facility where the application will be made available for viewing and copying.

The permit will be available for public viewing at the Terrell County Clerk's office.

Administrative Report 1.0, Section 8, item D: Please verify that the address for the public viewing area. The address found on the Website has 119 West Oak Street, if this is the correct address please update the application with the updated address.

**District and County Clerk
Terrell County Courthouse
105 East Hackberry
Sanderson, TX 79848
Phone: 432-345-2391**

Section 10: Please verify that the application is a TPDES application. If the application is not a TPDES application, please provide an updated page.

This is TPDES permit renewal with EPA ID TX0119555. Section 11 TLAP Disposal Information is updated and attached.

Section 10.e on page 10 of the administrative report: TCEQ records indicate an outstanding balance of \$986.81 for consolidated water quality (CWQ) fee account number 89920777. This fee must be paid before we can process your application. Please be advised that this amount includes several late fees and that additional late fees are accrued on the 1st of each month.

TCWCID No. 1 has issued payment for this fee as of 3/11/2025.

Core Data Form, Section II, Item 11: Please verify the type of customer is a corporation.

Updated Core Data Form Section II to be Other – Other Government

Core Data Form, Section III, item 24: Please provide the County.

See updated Core Data Form

The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Terrell County Water Control Improvement District No. 1, P.O. Box 569, Sanderson, Texas 79848, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollution Discharge Elimination System (TPDES) No. WQ0014120001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 150,000 gallons per day via: surface irrigation of 28 acres of non-public access native range grassland within the fenced in boundary of the plant. The domestic wastewater treatment facility and disposal area are located approximately 4.3 miles southeast of the intersection of U.S. Highway 285 and U.S. Highway 90 along U.S. Highway 90 on the northeast side of the road in the city of Sanderson, in Terrell County, Texas 79848. TCEQ received this application on March 5, 2025. The permit application will be available for viewing and copying at the Terrell County Courthouse at 105 East Hackberry Sanderson, TX 79848, 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/tlap-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=-102.365555,30.108333&level=18>

Further information may also be obtained from Terrell County Water Control Improvement District No. 1 at the address stated above or by calling Mr. Diego Gonzales, General Manager, at 432-345-2501.

Signed,



Juan Granados, EIT
Graduate Engineer
Burgess & Niple, Inc.

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

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

d. Check the box next to the appropriate application type

- | | |
|---|---|
| ☐ New | |
| ☐ Major Amendment <u>with</u> Renewal | ☐ Minor Amendment <u>with</u> Renewal |
| ☐ Major Amendment <u>without</u> Renewal | ☐ Minor Amendment <u>without</u> Renewal |
| ☒ Renewal without changes | ☐ Minor Modification of permit |

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

f. **For existing permits:**

Permit Number: WQ00 14120001

EPA I.D. (TPDES only): TX 0119555

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

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

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

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

TERRELL COUNTY WC&ID No. 1

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

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

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

CN: 600686398

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

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

Last Name, First Name: Chriesman, Blain

Title: President

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

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

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

[Click to enter text.](#)

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

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

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No. 1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: MS.

Last Name, First Name: FRAZIER, AMANDA

Title: ENGINEER

Credential: P.E.

Organization Name: BURGESS & NIPLE, INC.

Mailing Address: 10801-2 N MOPAC EXPRESSWAY, SUITE 340
TX 78759

City, State, Zip Code: AUSTIN,

Phone No.: 512-518-0232

E-mail Address: AMANDA.FRAZIER@BURGESSNIPLE.COM

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

B. Prefix: MS.

Last Name, First Name: FRAZIER, AMANDA

Title: ENGINEER

Credential: P.E.

Organization Name: BURGESS & NIPLE, INC.

Mailing Address: 10801-2 N. MOPAC EXPRESSWAY, SUITE 340 City, State, Zip Code: AUSTIN, TX 78759

Phone No.: 512-518-0232

E-mail Address: AMANDA.FRAZIER@BURGESSNIPLE.COM

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

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

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

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: Terrell County WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: MR.

Last Name, First Name: GONZALES, DIEGO

Title: GENERAL MANAGER

Credential: Click to enter text.

Organization Name: TERRELL COUNTY WC&ID No.1

Mailing Address: P.O. BOX 569

City, State, Zip Code: SANDERSON, TX 79848

Phone No.: 432-345-2501

E-mail Address: TCWCID1@BIGBEND.NET

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: N/A

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

Click to enter text.

- B. City nearest the disposal site: Click to enter text.

- C. County in which the disposal site is located: Click to enter text.

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

Click to enter text.

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☒ Yes ☐ No ☐ Not Applicable

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

Click to enter text.



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☐ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☒ Renewal (Core Data Form should be submitted with the renewal form)		☐ Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 600686398		RN 102886926

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership					
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
TERRELL COUNTY WATER CONTROL AND IMPROVEMENTS No. 1					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits) 74-6025248	10. DUNS Number (if applicable)
11. Type of Customer:		☐ Corporation		☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other		☐ Sole Proprietorship		☒ Other: Other Government	
12. Number of Employees				13. Independently Owned and Operated?	
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher				☒ Yes ☐ No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:					
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant					
15. Mailing Address:	PO. BOX 569				
	City	SANDERSON	State	TX	ZIP 79848
			ZIP + 4		
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				TCWCID1@BIGBEND.NET	
18. Telephone Number			19. Extension or Code		20. Fax Number (if applicable)

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

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

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

SANDERSON WASTEWATER TREATMENT PLANT

23. Street Address of the Regulated Entity:

(No PO Boxes)

City

State

ZIP

ZIP + 4

24. County

Terrell

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

25. Description to Physical Location:

0.25 MILES NORTH OF THE INTERSECTION OF US 90 AND SOUTHERN PACIFIC RAILROAD 2.5 MILES SOUTHEAST OF SANDERSON

26. Nearest City

State

Nearest ZIP Code

SANDERSON

TX

79848

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

30.108583

28. Longitude (W) In Decimal:

102.363125

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

30

6

30.90

102

21

47.25

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

221320

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Wastewater Collection and Treatment

34. Mailing Address:

PO Box 569

City

SANDERSON

State

TX

ZIP

79848

ZIP + 4

35. E-Mail Address:

TCWCID1@BIGBEND.NET

36. Telephone Number**37. Extension or Code****38. Fax Number** (if applicable)

(432) 345-2501

() -

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

Francesca Findlay

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Monday, March 17, 2025 10:49 AM
To: Francesca Findlay
Cc: Amanda Frazier; Diego TCWCID 1
Subject: Re: WQ0014120001 Terrell County Water Control Improvement District No. 1
Attachments: 1st Denial Response_3.17.25.pdf

Good morning Francesca,

Please see our response attached. Thank you!

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.

o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com



From: Francesca Findlay <Francesca.Findlay@tceq.texas.gov>
Sent: Monday, March 10, 2025 1:36 PM
To: tcwid1@bigbend.net <tcwid1@bigbend.net>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>
Subject: FW: WQ0014120001 Terrell County Water Control Improvement District No. 1

You don't often get email from francesca.findlay@tceq.texas.gov. [Learn why this is important](#)

Dear Mr. Gonzales:

The attached Notice of Deficiency letter sent on March 10, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention March 24, 2025.

Thank you,

Francesca Findlay
License & Permit Specialist
ARP Team | Water Quality Division
512-239-2441
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail

How is our customer service? Fill out our online customer satisfaction survey at <http://www.tceq.texas.gov/customersurvey>.

Note:
These electronic documents are provided by Burgess & Niple (B&N) as a convenience to our clients.
It is our professional opinion that this electronic information provides information current as of the date of its release. Any use of this information is at the sole risk and liability of the user. The user is responsible for updating information to reflect any changes in the information following the preparation date of this transmittal. The delivery of this information in electronic format is for the benefit of the owner for whom the services have been performed. Nothing in the transfer should be construed to provide any right to third parties to rely on the information provided, or that the use of this information implies the review and approval of Burgess & Niple.

From: [Juan Granados](#)
To: [Sara Holmes](#)
Cc: [Amanda Frazier](#); [Andrew Gorton](#)
Subject: Re: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001
Date: Wednesday, May 28, 2025 4:48:11 PM
Attachments: [Terrell WCID No 1 WWTP Permit Resubmission May 2025.pdf](#)

Sara,

Thank you for your help and clarification. I have attached the revise submission in this reply.

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.
o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com



From: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Sent: Tuesday, May 27, 2025 2:32 PM
To: Juan Granados <Juan.Granados@burgessniple.com>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>
Subject: RE: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Juan,

Unfortunately, I don't have access to the previously submitted applications. As for the crop nutrient requirements, with a few harvestings a year, it would be safe to assume that the Bermuda grass requires about 200-300 lbs/ac of Nitrogen and approximately 80-100 lbs/ac of Nitrogen for the native grasses. This would suffice as the cropping system has been maintained similarly for several years. For the crop salt tolerances, we usually refer to Table 3 of 30 TAC 309.20. This is a table with multiple crops with their associated crop salt tolerances (attached). Bermuda grass has a high salt tolerance of about 8-12 mmhos/cm. Since this covers the majority of the land application areas, it would be acceptable to input the information only for the Bermuda grass. Could you add these two things to the cropping plan?

Thank you,
Sara Holmes

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Tuesday, May 27, 2025 12:11 PM
To: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>
Subject: Re: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Sara,

With this permit being grandfathered to our team from Terrell County's longtime engineer who is no longer with our company, we do not have access to the specific species of crop you are requesting. The client is able to provide that it is a native range / bermuda type crop as shown on previous submissions. On the TA&M spreadsheet you recommend, there are almost 30 types of bermuda / native range crops. In the previously approved permits, was this recorded for us to receive more insight?

As noted in the cover letter, there have been no modifications to treatment, crops, effluent application, or other factors since the previous permit cycle.

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.
o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com

From: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Sent: Tuesday, May 27, 2025 9:42 AM
To: Juan Granados <Juan.Granados@burgessniple.com>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>

Subject: RE: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Thank you. I do not see the fertilizer requirements in the submittal. Please also address the following bullet points for the cropping plan:

- Crop nutrient requirements
- Crop salt tolerances
- Supplemental watering requirements (if any)

Thank you,
Sara Holmes

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Tuesday, May 27, 2025 9:30 AM
To: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>
Subject: Re: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Good morning,

See Attachment 3 - Cropping Plan attached. It is on page 11 of the submission document.

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.
o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com

| |

From: Sara Holmes <Sara.Holmes@tceq.texas.gov>
Sent: Tuesday, May 27, 2025 7:58 AM
To: Juan Granados <Juan.Granados@burgessniple.com>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>

Subject: RE: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Hello,

Can you provide the cropping plan as soon as possible? It is not included in this submittal.

Thank you,

Sara Holmes
Natural Resource Specialist III
Water Quality Assessment Team
12100 Park 35 Circle
Austin, TX 78753
512-239-4534

From: Juan Granados <Juan.Granados@burgessniple.com>
Sent: Friday, May 23, 2025 5:27 PM
To: WQDecopy <WQDecopy@tceq.texas.gov>
Cc: Amanda Frazier <Amanda.Frazier@burgessniple.com>; Sara Holmes <Sara.Holmes@tceq.texas.gov>; Andrew Gorton <Andrew.Gorton@Tceq.Texas.Gov>
Subject: Terrell Co. WCID No. 1 Permit Supplemental Information WQ0014120001

Hello,

Please see the attached submission for deficiencies noted in the letter we received from Mr. Sadlier dated April 25, 2025 through certified mail.

Thank you,

Juan Granados, E.I.T.
Water/Wastewater Engineer III
Burgess & Niple, Inc.
o. 614.459.2050
c. 205.461.7922
10801-2 N. Mopac Expressway - Suite 340
Austin, TX 78759
burgessniple.com

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Note:

These electronic documents are provided by Burgess & Niple (B&N) as a convenience to our clients.

It is our professional opinion that this electronic information provides information current as of the date of its release. Any use of this information is at the sole risk and liability of the user. The user is responsible for updating information to reflect any changes in the information following the preparation date of this transmittal.

The delivery of this information in electronic format is for the benefit of the owner for whom the services have been performed. Nothing in the transfer should be construed to provide any right to third parties to rely on the information provided, or that the use of this information implies the review and approval of Burgess & Niple.

April 25, 2025 Denial Response

Robert Sadlier
Water Quality Division (MC-150)
Texas Commission on Environmental Quality

Dear Mr. Sadlier,

Please see our responses below to the denial letter dated April 25, 2025 for the Terrell County WC&ID No. 1 Permit No. WQ0014120001.

Geology and Groundwater

1. This is a renewal for 0.15 MGD. The facility has not had any modifications to its treatment, disposal, or processes since the last permit was issued. This permit renewal seeks to follow the same parameters as shown in the 2015 permit. In previously approved permit applications, a flow rate of 0.2 MGD was listed to reflect the overall design capacity of the plant as a pure discharge facility, not irrigation (the plant was constructed in the 1990s with the original intention of being a pure discharge facility). Previous permit application submissions can be provided to verify. Day-to-day operations of the plant record an average flow of around 60,000 GPD.
2. See liner certification attached (Attachment 1).
3. See Groundwater Technical Report attached (Attachment 2).

Agronomy and Soils

1. See cropping plan attached (Attachment 3).
2. Effluent land application has not been utilized during the entirety of the previous permit cycle. Per Sara Holmes, soil analyses are not required.
3. See Revised Technical Report 1.0 (Attachment 4).
4. Laboratory Results (Attachment 5)

Signed,



Juan Granados, EIT
Burgess & Niple, Inc.

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 25, 2025

CERTIFIED MAIL

Ms. Amanda Frazier
Burgess & Niple, Inc.
10801-2 North Mopac Expressway, Suite 340
Austin, Texas 78759

Re: Terrell County WC&ID No. 1, Permit No. WQ0014120001
(CN600686398; RN102886926)

Dear Ms. Frazier:

On April 1, 2025, the Texas Commission on Environmental Quality (TCEQ) received the above-referenced permit application. The Water Quality Assessment Team of the Water Quality Division completed a review of the permit application and identified deficiencies that must be addressed before the technical review of the application can continue. On April 3, 2025, we requested responses to the deficiencies. Based on the information provided in the application, the executive director does not have sufficient information to make a recommendation to the commission regarding whether this permit should be issued.

You must submit a complete and accurate response to the deficiencies listed in Attachment A within 30 days of the date of this letter or the executive director will return this permit application, as allowed by Title 30, Texas Administrative Code, Section 281.19(b).

TCEQ strives to process permit applications in a timely manner, and we appreciate your assistance in providing the information needed to accomplish that goal.

If you have questions or comments, please contact Mr. Andrew Gorton, P.G. at Andrew.Gorton@tceq.texas.gov or Ms. Sara Holmes at Sara.Holmes@tceq.texas.gov. If communicating by correspondence, please include (MC-150) in the letterhead address.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Sadlier".

Robert Sadlier, Deputy Director
Water Quality Division (MC-150)

RS/SH/at

Enclosure

cc: Terrell County WCID No. 1, P.O. Box 569, Sanderson, Texas 79848-0569
Mr. Diego Gonzales, Terrell County WCID No.1, P.O. Box 569, Sanderson, Texas 79848

Attachment A

Current Deficiencies

The following items are required for the completion of the geology and agronomy portion of the technical review of the renewal application for Permit No. WQ0010245001. Please address the following:

GEOLOGY and GROUNDWATER

1. Throughout the application, it indicates the facility disposes of 200,000 GPD (Worksheet 3.0, Section 2 mistakenly states 200 gpd). The facility is currently permitted for 150,000 GPD, so an increase in flow would be considered a major amendment. Please clarify if this application is for a renewal (at 150,000 GPD) or an amendment (to accommodate 200,000 GPD).
2. Domestic Worksheet 3.0, Section 3: If liner certifications exist for the wastewater ponds, please submit them. If they are not available, please indicate such.
3. Domestic Worksheet 3.0, Section 7: The Groundwater Quality Technical Report was not provided in the application. Please submit a Groundwater Quality Technical Report that assesses the impact of the waste disposal system on the groundwater. This assessment shall include an evaluation of the water wells, the wastewater application rate, and pond liners. Please include a discussion of the local aquifer, site geology, and how groundwater will be protected from the waste disposal system (i.e., the ponds and land application of wastewater). An example Report can be provided upon request.

AGRONOMY and SOILS

1. Domestic Worksheet 3.0, Section 5. Annual Cropping Plan - Please include a cropping plan with the following information as applicable:
 - a. Cool and warm season plant species
 - b. Crop yield goals - A TCEQ recommended source for obtaining this information: Nutrient Management Planning Tools (tamu.edu). (if applicable)
 - c. Crop growing season
 - d. Crop nutrient requirements - A TCEQ recommended source for obtaining this information: Nutrient Management Planning Tools (tamu.edu). Please refer to the S Crops Table provided by the Texas A&M AgriLife Extension on Nutrient Management.
 - e. Additional fertilizer requirements (if any)
 - f. Minimum/maximum harvest height (for grass crops)
 - g. Supplemental watering requirements (if any)
 - h. Crop salt tolerances - Please refer to Table 3 of 30 TAC 309.20
 - i. Justification for not removing existing vegetation to be irrigated
2. Domestic Worksheet 3.0, Section 8. Soil Map and Soil Analyses -Please submit Soil Maps for the irrigation areas and current soil analyses. Please note that analyses are acceptable as long as the test date is less than one year of the submission of the application.
3. Domestic Worksheet 3.0, Section 9. Effluent Monitoring Data - Please fill out Table 3.0(5) if the facility is in operation.

Please feel free to contact Andrew Gorton, P.G. for geology/groundwater questions via email at Andrew.Gorton@tceq.texas.gov (preferred), or at (512) 239-4585. For agronomy questions, please feel free to contact Sara Holmes via email at Sara.Holmes@tceq.texas.gov (preferred), or at 512-239-4534.

Attachment - 1
Pond Liner Certification



BURGESS & NIPLE

August 25, 2010

Tom Lowrance
General Manager
Terrell County WC&ID No. 1
PO Box 569
Sanderson TX 79848-0569

RE: Wastewater Treatment Plant Pond Liners

Burgess & Niple, Inc.

1030 Andrews Highway
Suite 211
Midland, TX 79701
432 689.8909
Fax 432 689.8911

Dear Mr. Lowrance:

During the spring and summer of 2001, Burgess & Niple, (formerly GSWW) supervised the installation and inspection of the Terrell County WC&ID No. 1's Wastewater Treatment Plant ponds (Facultative Lagoon 1, Facultative Lagoon 2, Stabilization Pond 1, and Stabilization Pond 2). Our inspectors witnessed the installation of the full 2-feet of approved clay liner material, the in-situ density testing and the collection of samples for laboratory evaluation in each of your four ponds.

Construction of the Terrell County WC&ID No. 1 wastewater treatment plant ponds was started in February 2001. Therefore, the design and construction of your plant occurred before the enactment of the current 30 TAC §217 rules. 30 TAC §217.1.(c), states the following:

§217.1.(c) The executive director will grant variances from the requirements of this chapter to a person who proposes to construct, materially alter, expand, , or re-rate a collection system or treatment facility, if the plans and specifications for the project are submitted prior to March 1, 2009 and meet the design criteria that was in effect when the engineering design began.

Per this rule, we are providing this certification under the requirements in force at the time this project was designed and constructed, 30 TAC §317.(j).(2).(A) and 30 TAC §317.(k)(2), effective March 3, 1997:

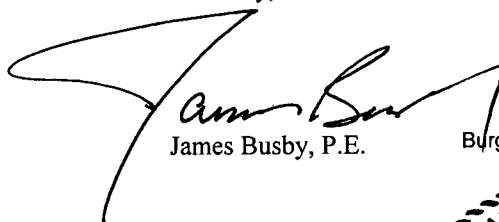
Based on inspections performed by myself, and others under my supervision, and my review of the laboratory testing of the materials of construction (attached) I certify the following:

- Each pond's liner material has more than 30% passing a 200-mesh sieve; (37.3% to 49.6%)
- Each pond's liner material has a liquid limit greater than 30%; (33% to 34%)
- Each pond's liner material has a plasticity index greater than or equal to 15; (15)
- Each pond's liner has a minimum thickness of 2 feet
- Each pond's liner lifts were compacted to a density of 95% or greater (99.4%)

Additionally, several permeability tests were performed on the pond liners at your plant. Though there were no requirements for permeability at the time your plant was designed, permitted and constructed, the material obtained on the site which was used to line all the ponds achieved a permeability of 1.70×10^{-8} cm/sec.

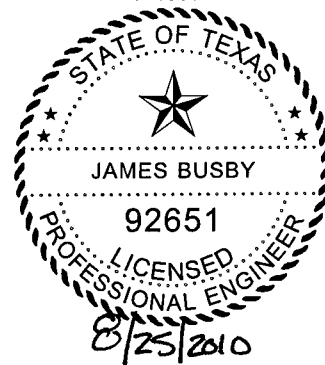
It is my professional opinion that the liners in all four of your treatment ponds met the requirements in force at the time of design and construction and that they are sufficient to protect ground and surface water resources.

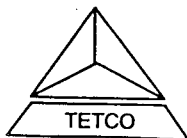
Sincerely,



James Busby, P.E.

Burgess & Niple, Inc.
F-10834





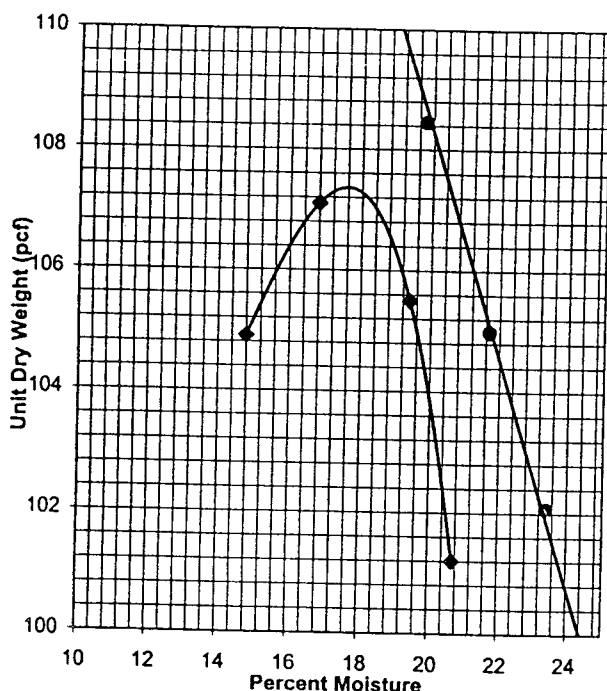
TRINITY ENGINEERING / KLEINFELDER

P.O Box 3024 Odessa, Texas 79760 (915) 332-8557

TO: Gutierrez, Smouse, Wilmut & Assoc., Inc. PROJECT: Wastewater Treatment
Attn: Mr. James Busby, E.I.T. Sanderson, TX
1030 Andrews Highway, Suite 211
Midland, TX 79701

DATE: 4/20/01
REPORT NO.: O-4154
PN NO.: 149

Moisture-Density Relationship



Test Method: ASTM D 698-00

Preparation Method: Moist
Sample Location: Site
Sample Number: S-1977
Sampled By: Client
Date Sampled: 4/17/01
Material Description: Tan Silty Clayey Sand W/ Gravel

Test Method: ASTM D 4318-98
ASTM D 1140-97

	Sample 1	Sample 2
Liquid Limit:	34	33
Plastic Limit:	20	18
Plasticity Index:	15	15
Minus 3":	100%	
Minus #4:	73.5%	
Minus # 200:	37.3	49.6
(-) #40 Classification:	Silty Clayey Sand W/ Gravel	
Group Symbol:	SC-SM	

Rammer: Mechanical
Compaction Method: B
Oversize Sieve : 3/8"
% By Weight Oversize: 11.4
Bulk Specific Gravity: 2.321
Technician: J. Sanchez/W. Camron

Assumed Specific Gravity: 2.65

Lab Compacted Samples (Finer Fraction)

Maximum Dry Unit Weight (pcf): 107.3
Optimum Moisture Content (%): 17.6

Corrected Value of Total Sample (ASTM D 4718-94)

Maximum Dry Unit Weight (pcf): 110.6
Optimum Moisture Content (%): 16.2

COPIES TO: 1-ABOVE

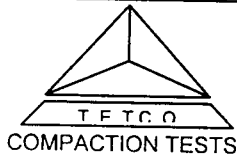


TRINITY ENGINEERING/KLEINFELDER

Edward D. Philley
Edward D. Philley

The results shown on this report are for the exclusive use of the client for whom they were obtained and apply only to the samples tested and/or inspected.

They are not intended to be indicative of the qualities of apparently identical products. The use of our name must receive our prior written approval. Reports must be reproduced in their entirety.



TRINITY ENGINEERING/KLEINFELDER

P.O. Box 3024 Odessa, Texas 79760 (915)332-8557

TO: Gutierrez, Smouse, Wilmut & Assoc.
Attn: Mr. James Busby, EIT
1030 Andrews Highway, Suite 211
Midland, TX 79701

TETCO PN : O-10121

PROJECT: Waster Water Treatment Plant
Sanderson, TX

TECHNICIAN: M. Munoz
GAUGE #. 19278
MODEL #. 3430

DATE: 12/11/01
REPORT NO: O-12127

TYPE OF SOIL	TEST LOCATION	ASTM D 2922 WET DENSITY LBS/CU FT	ASTM D 3017 PERCENT MOISTURE	ASTM D 2922 DRY DENSITY LBS/CU FT	PERCENT COMPACTION
Tan Silty Clayey Sand w/ Gravel	2-A	127.9	8.7	117.7	99.4
SPECIFICATIONS	Area Description: F-1 Pond				
DENSITY: 95% COMPACTION REQUIRED					

Density Standard: 2478
Transmission: Direct

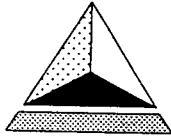
Moisture Standard: 672
Depth, inches: 6

MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH: D698
MAXIMUM DENSITY: 118.4 OPTIMUM MOISTURE: 11.6% OM CURVE REF: O-4154
Copies: 1 - Above

TRINITY ENGINEERING/KLEINFELDER

E. L. D. P. Platter

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TRINITY ENGINEERING/KLEINFELDER

An Employee Owned Company
P.O. Box 3024 Odessa, Texas 79760 (915) 332-8557

TO: Gutierrez, Smouse, Wilmut & Assoc.
Attn: Mr. James Busby, EIT
1030 Andrews Highway, Suite 211
Midland, TX 79701

PROJECT: Waste Water Treatment Plant
Sanderson, TX

DATE: 11/26/01
REPORT NO: O-11167
PN NO.: 10121

REPORT OF: Falling Head Rising Tailwater Permeability Test
METHOD: Corps of Engineers Em-1110-2-1906 Appendix VII
MATERIAL: Brown and Tan Silt with Gravel (Sample No. S2-4)
Material Sampled by TE/K on 9/26/01

TEST RESULTS:

PERMEABILITY TEST

Unit Dry Weight	123.6
Moisture Content	14.9%
Permeability	1.70×10^{-8} cm/sec

Copies to: 1 - Above


David B. May, P.E., Area Manager

The results shown on this report are for the exclusive use of the client for whom they were obtained and apply only to the samples tested and/or inspected. They are not intended to be indicative of the qualities of apparently identical products. The use of our name must receive our prior written approval.

Attachment - 2
Groundwater Technical
Report

BURGESS & NIPLE

10801-2 N. Mopac Expressway Suite 340 Austin, TX 78759 | 512.306.9266 | burgessniple.com

Groundwater Quality Technical Report Terrell County Domestic Worksheet 3.0

In accordance with 30 TAC 309.20(a)(4)(A and B), this report provides an assessment of the impact of the wastewater disposal operation on the uses of local groundwater resources.

According to the Texas Water Development Board Major Aquifer 3D Viewer, the town of Sanderson is located above the Edwards-Trinity (Plateau) Aquifer that includes the Pecos Valley Aquifer.

According to the Texas Water Development Board Groundwater Data Viewer (TWDB GDV), there are no domestic, public supply, or stock water wells located within a 0.5, 1.0, or 2.0 mile radius from the wastewater treatment facility. There are no lysimeters or monitoring wells located within the treatment facility or within a 0.5-mile radius of the facility. Use of groundwater in Sanderson comes from domestic, public supply, and stock wells, according to the TWDB GDV.

The Sanderson Wastewater treatment plant is permitted to receive an influent flow of 150,000 GPD. The plant currently utilizes a TLAP permit for land application of their wastewater effluent. A 28-acre area within the facility is available for use of irrigation using treated effluent.

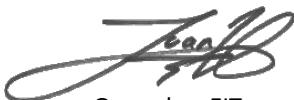
A declining population over the last decade has decreased influent flow for the plant to well below its designed capacity. Day-to-day operations only require the use of a single pond. Low influent flow allows the plant to treat their wastewater using settling and evaporation. Within the last permit cycle, no effluent flow has been applied to the permitted irrigation areas.

Construction of the ponds occurred in February 2001 under the supervision of Burgess & Niple. Construction occurred before the adoption of 30 TAC 217 Rules. Inspectors witnessed the installation of 2 feet of approved clay liner material along with all appropriate sampling and testing performed. The pond liner certification document is attached.

According to the Soils Report for the facility, the area is comprised of two types of soils, Reagan silty clay loam (Re) and Sanderson-upton Association (Su) comprised of gravelly loam and very gravelly loam. These soils may be permeable. The existing liner material was tested to assess its permeability. At the time of construction, under 30 TAC 317 requirements, the liner achieved a permeability value of 1.7×10^{-8} cm/sec. According to 30 TAC 317.15 Appendix G, Soil or Synthetic liners must have a measured permeability of less than 10^{-7} cm/sec. Other soils parameters are included in the liner certification document.

Based on the original engineer's approval of construction and reduced influent flow to the facility with no recent land application, the existing wastewater treatment plant and effluent irrigation system are not anticipated to adversely affect local groundwater resources.

Signed,



Juan Granados, EIT
Burgess & Niple, Inc.

Attachment - 3

Cropping Plan

BURGESS & NIPLE

10801-2 N. Mopac Expressway Suite 340 Austin, TX 78759 | 512.306.9266 | burgessniple.com

Terrell County WC&ID No. 1
Permit No. WQ0014120001.
Soil Cropping Plan

The Terrell County Water Control and Improvements District Number 1 wishes to renew their wastewater permit numbered WQ0014120001. This facility applies excess effluent flow from their ponds to irrigation fields whenever necessary. The fields use native range and Bermuda grass as their primary crop.

According to 30 TAC 309.20, Bermuda grass is a highly salt tolerant crop. Bermuda grass can have best growth yields at a salinity level below 8.0 mmhos/cm.

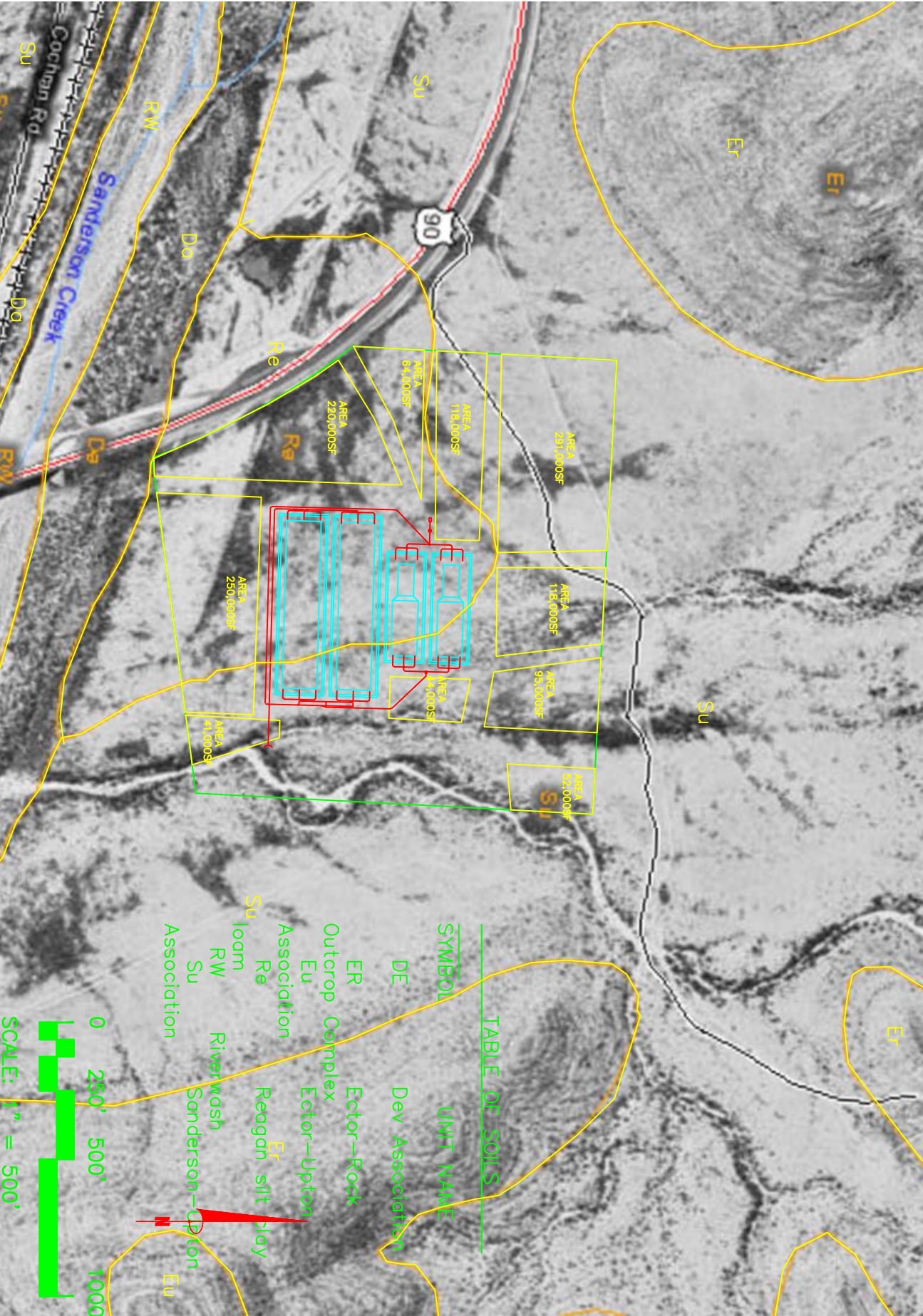
Typical nutrient application for Bermuda grass follows 200-300 lbs/ac of Nitrogen and approximately 80-100 lbs/ac of Nitrogen for native grasses.

Additional irrigation requirements are not implemented. Due to a decreasing population in Sanderson, TX, the existing treatment ponds do not produce enough effluent to warrant the need for irrigation. Over the previous permit cycle, the facility has not had any occurrences of effluent application to the Bermuda grass fields.

Signed,



Juan Granados, EIT
Burgess & Niple, Inc.



IRRIGATED AREAS ABOVE ARE NATIVE RANGE AND BERMUDA GRASSES YEAR ROUND. TYPICAL HARVESTING SCHEDULE IS THREE TIMES PER YEAR. NATIVE RANGE GRASS IS GROWN DUE TO HARSH SUMMER CLIMATE. FERTILIZER REQUIREMENTS AND SOIL REPORTS ARE ATTACHED.



United States
Department of
Agriculture

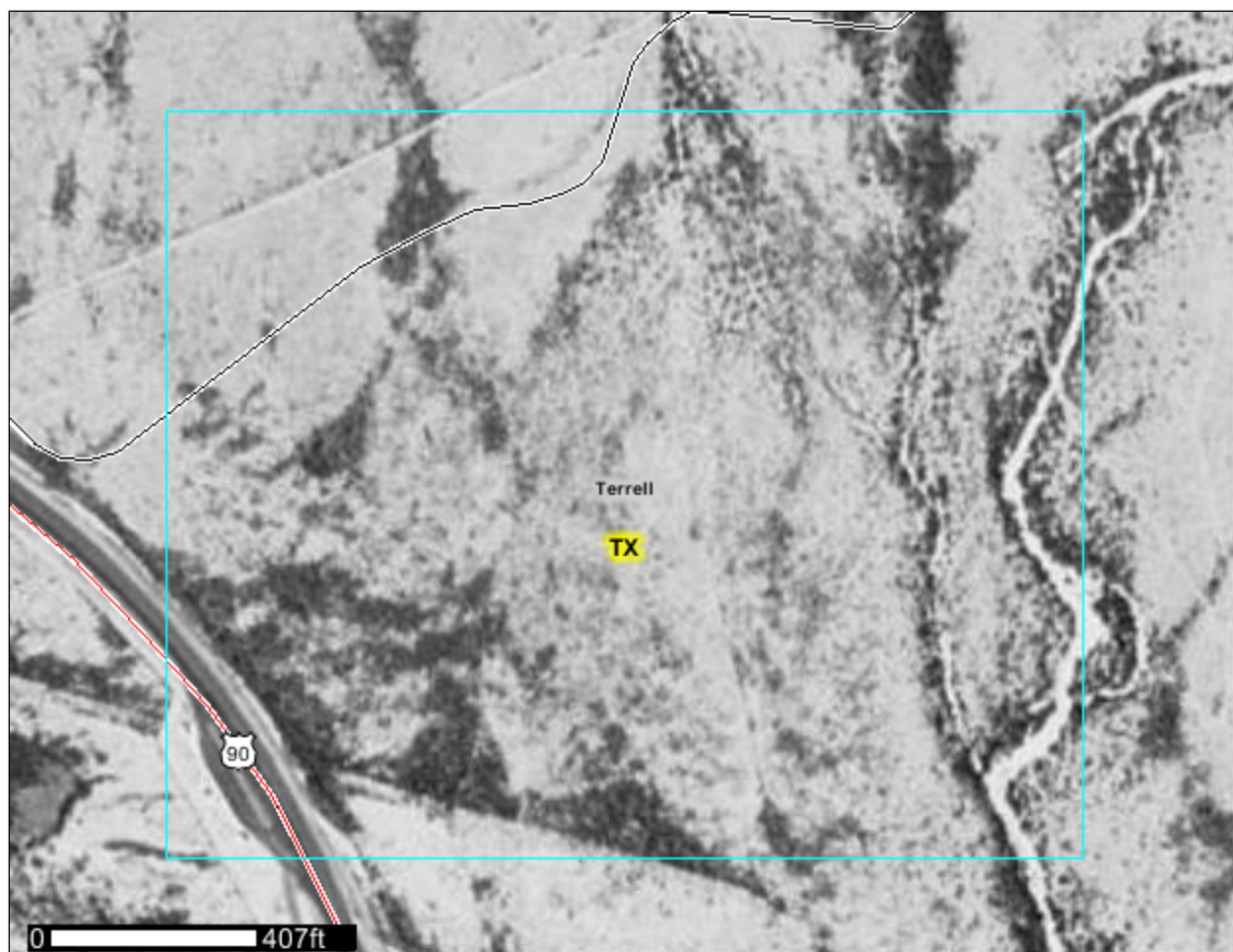


NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Terrell County, Texas



May 17, 2010

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://soils.usda.gov/sqi/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means

for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

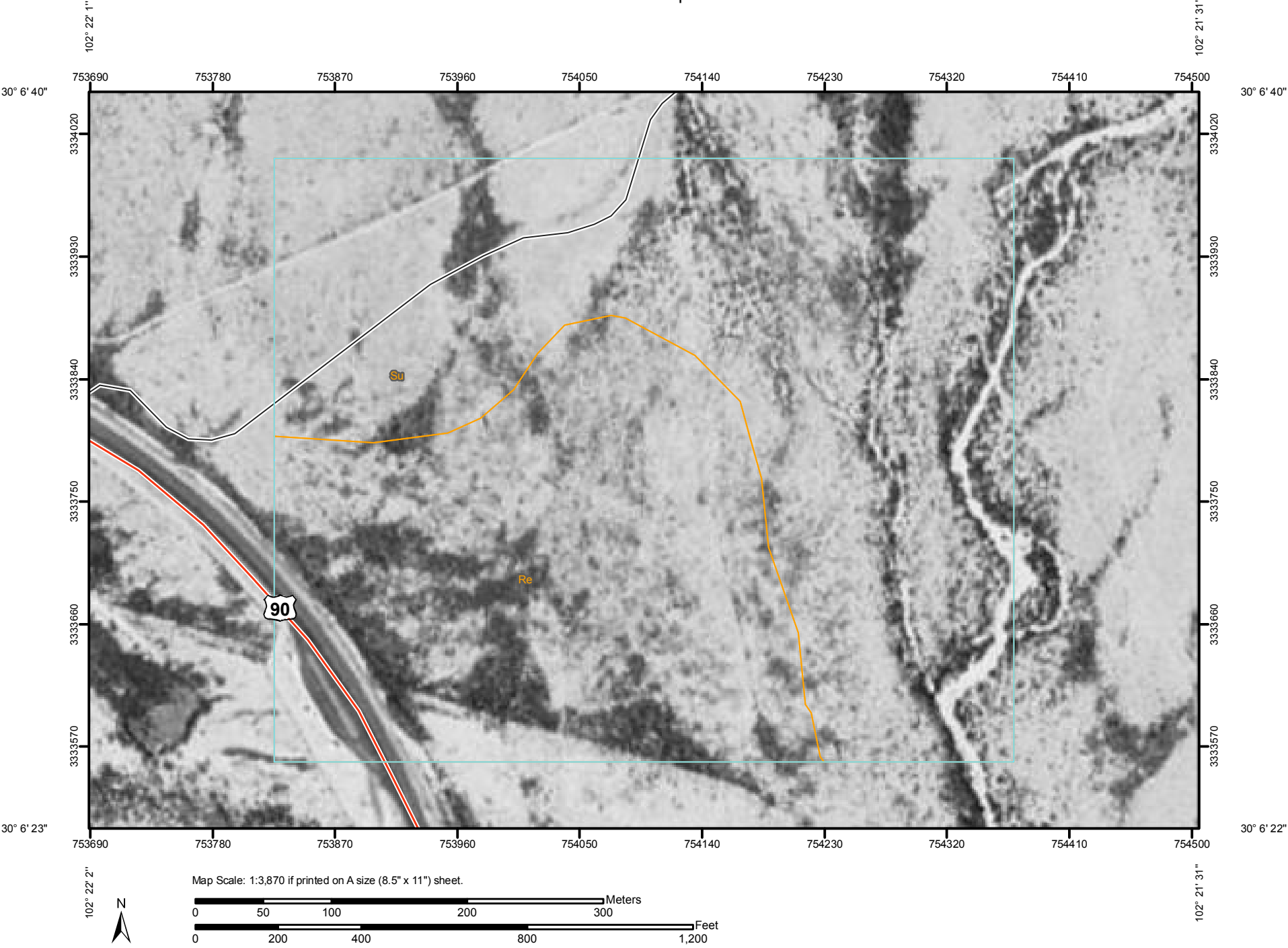
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Units

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot

-  Very Stony Spot
-  Wet Spot
-  Other

Special Line Features

-  Gully
-  Short Steep Slope
-  Other

Political Features

-  Cities

Water Features

-  Oceans
-  Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:3,870 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:31,680.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 13N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Terrell County, Texas
Survey Area Data: Version 11, Oct 26, 2009

Date(s) aerial images were photographed: 2/9/1996

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Terrell County, Texas (TX443)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Re	Reagan silty clay loam	25.1	42.2%
Su	Sanderson-Upton association	34.4	57.8%
Totals for Area of Interest		59.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Terrell County, Texas

Re—Reagan silty clay loam

Map Unit Setting

Elevation: 1,500 to 4,000 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 61 to 70 degrees F

Frost-free period: 210 to 240 days

Map Unit Composition

Reagan and similar soils: 100 percent

Description of Reagan

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from limestone

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 35 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 15.0

Available water capacity: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 6e

Ecological site: Loamy 14-19" PZ (R081AY303TX)

Typical profile

0 to 10 inches: Silty clay loam

10 to 32 inches: Silty clay loam

32 to 70 inches: Clay loam

Su—Sanderson-Upton association

Map Unit Setting

Elevation: 1,100 to 4,000 feet

Mean annual precipitation: 7 to 20 inches

Mean annual air temperature: 61 to 70 degrees F

Custom Soil Resource Report

Frost-free period: 210 to 260 days

Map Unit Composition

Sanderson and similar soils: 65 percent

Upton and similar soils: 35 percent

Description of Sanderson

Setting

Landform: Valleys on valleys

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from limestone

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Available water capacity: Low (about 6.0 inches)

Interpretive groups

Land capability (nonirrigated): 6s

Ecological site: GRAVELLY 14-19" PZ (R081AY296TX)

Typical profile

0 to 9 inches: Gravelly loam

9 to 60 inches: Very gravelly loam

Description of Upton

Setting

Landform: Valleys on valleys

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from limestone

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately low to
moderately high (0.06 to 0.57 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Available water capacity: Very low (about 1.3 inches)

Interpretive groups

Land capability (nonirrigated): 7s

Ecological site: GRAVELLY 14-19" PZ (R081AY296TX)

Custom Soil Resource Report

Typical profile

0 to 2 inches: Gravelly loam

2 to 12 inches: Gravelly loam

12 to 38 inches: Cemented material

38 to 50 inches: Very gravelly loam

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Custom Soil Resource Report

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Attachment - 4
Revised Technical Report
1.0



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.2

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: EXISTING

Estimated waste disposal start date: EXISTING

B. Interim II Phase

Design Flow (MGD): N/A

2-Hr Peak Flow (MGD): N/A

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 0.2

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: EXISTING

Estimated waste disposal start date: EXISTING

D. Current Operating Phase

Provide the startup date of the facility: FINAL

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

POND SYSTEM: INFLUENT ENTERS THROUGH BAR SCREEN AND INFLUENT METERING STATION, THENCE TO TWO (2) FACULTATIVE LAGOONS IN SERIES, AND THENCE TO TWO STABILIZATION PONDS IN SERIES, AND FINALLY THENCE TO EFFLUENT METERING STATION AND DISCHARGE

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Two Bar Screens	2	18 INCHES WIDE
Two Facultative Lagoons	2	390' L x 130' W x 4' D
Two Stabilization Ponds	2	648' L x 162' W x 4' D

C. Process Flow Diagram

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

Attachment: ATTACHMENT 5

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

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

- Latitude: 30-06'-28"
- Longitude: 102-21'-45"

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

- Latitude: 30-06'-36"
- Longitude: 102-21'-53"

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

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

Attachment: ATTACHMENT 6

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

COMMUNITY OF SANDERSON, TEXAS, TERRELL COUNTY

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
		Choose an item.	
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: 4/2000 - Final

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

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click 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.

Click to enter text.

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click 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 to enter text.

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

Click to enter text.

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 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 ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

[Click to enter text.](#)

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	19.5	19.5	1	Grab	1/9/2025 12:47 PM
Total Suspended Solids, mg/l	40.7	40.7	1	Grab	1/9/2025 12:04 PM
Ammonia Nitrogen, mg/l	7.29	7.29	1	Grab	1/9/2025 2:28 PM
Nitrate Nitrogen, mg/l	<0.2	<0.2	1	Grab	1/9/2025 12:11 PM
Total Kjeldahl Nitrogen, mg/l	12.4	12.4	1	Grab	1/17/2025 7:02 PM
Sulfate, mg/l	20.4	20.4	1	Grab	1/9/2025 12:11 PM
Chloride, mg/l	62.8	62.8	1	Grab	1/9/2025 12:11 PM
Total Phosphorus, mg/l	4.85	4.85	1	Grab	1/9/2025 1:00 PM
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater	19.9	19.9	1	Grab	1/9/2025 1:19 PM
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l	527	527	1	Grab	1/10/2025 10:00 AM
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l	<5.0	<5.0	1	Grab	1/14/2025 10:16 AM
Alkalinity (CaCO ₃)*, mg/l	297	297	1	Grab	1/10/2025 1:16 PM

*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Diego Gonzales

Facility Operator's License Classification and Level: Click to enter text.

Facility Operator's License Number: Click to enter text.

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)

- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: [Click to enter text.](#)

C. Biosolids Management

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

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

D. Disposal site

Disposal site name: [CITY OF ALPINE LANDFILL](#)

TCEQ permit or registration number: [2197](#)

County where disposal site is located: [BREWSTER](#)

E. Transportation method

Method of transportation (truck, train, pipe, other): [TRUCK](#)

Name of the hauler: [GONZALES SEPTIC & GREASE TRAP SERVICES](#)

Hauler registration number: [SLGTR23336](#)

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

Sludge Composting	☐ Yes	☒ No
Marketing and Distribution of sludge	☐ Yes	☒ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☒ No
Temporary storage in sludge lagoons	☐ Yes	☐ No

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☐ No

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

A. Location information

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

- Original General Highway (County) Map:
Attachment: [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:
Attachment: [Click to enter text.](#)
- Federal Emergency Management Map:
Attachment: [Click to enter text.](#)
- Site map:
Attachment: [Click to enter text.](#)

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

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

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

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

[Click to enter text.](#)

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: [Click to enter text.](#)

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

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

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

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

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

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

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

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

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

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

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

Total PCBs: [Click to enter text.](#)

Provide the following information:

Volume and frequency of sludge to the lagoon(s): [Click to enter text.](#)

Total dry tons stored in the lagoons(s) per 365-day period: [Click to enter text.](#)

Total dry tons stored in the lagoons(s) over the life of the unit: [Click to enter text.](#)

C. Liner information

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

☐ Yes ☐ No

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

[Click to enter text.](#)

D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click 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: [Click to enter text.](#)

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

A. Additional authorizations

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

☐ Yes ☒ No

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

[Click to enter text.](#)

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

[Click to enter text.](#)

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

A. RCRA hazardous wastes

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

☒ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

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

Section 14. Laboratory Accreditation (Instructions Page 56)

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

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

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

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

CERTIFICATION:

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

Printed Name: DIEGO GONZALES

Title: GENERAL MANAGER

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

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

Identify the method of land disposal:

- | | |
|---|--|
| ☒ Surface application | ☐ Subsurface application |
| ☐ Irrigation | ☐ Subsurface soils absorption |
| ☐ Drip irrigation system | ☐ Subsurface area drip dispersal system |
| ☐ Evaporation | ☐ Evapotranspiration beds |
| ☐ Other (describe in detail): Click to enter text. | |

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

For existing authorizations, provide Registration Number: 102886926

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

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

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
NATIVE RANGE GRASS & TREATMENT FACILITY	28	200	N

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

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	2.4	14.5	6'D x 663'L x 177'W	CLAY
2	2.4	14.5	6'D x 663'L x 177'W	CLAY

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

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

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

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

☐ Yes ☒ No

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

[Click to enter text.](#)

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

PREPARED WITH DATA PROVIDED BY NRCS.

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

THIS SITE WILL BE PROTECTED BY BERMS.

Section 5. Annual Cropping Plan (Instructions Page 68)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment:** 3 [Click to enter text.](#)

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

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

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

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

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

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
NONE			Choose an item.	

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.	

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

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

Section 7. Groundwater Quality (Instructions Page 69)

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

Attachment: 2 [Click to enter text.](#)

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

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

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

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

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

A. Soil map

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

Attachment: 3 [Click to enter text.](#)

B. Soil analyses

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

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

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

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
SEE ATTACHED NRCS SOIL REPORT				

Section 9. Effluent Monitoring Data (Instructions Page 71)

Is the facility in operation?

☒ Yes ☐ No

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

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

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
1/14/2025	0.04	25.9	40.7	7.8	NA	28

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

Attachment - 5

Laboratory Results

CITY OF ODESSA LABORATORY SERVICES TEST RESULTS



Laboratory Address: 817 W. 42nd Street
Mailing Address: 817 W. 42nd Street
Odessa, TX 79764

Contact: Jason Wells
Phone: 432-368-3536
Email: jwells@odessa-tx.gov

Customer: Terrell County WCID
Address: P.O. Box 569
Sanderson, TX 79848

Sample Location: Sanderson WWTP
Date of Collection: 1/9/2025
Time of Collection: 6:45 AM
Collected by: Tom Lowrance
Sample receipt date: 1/9/2025
Report Number: 011425REP09

BOD₅ QUALITY CONTROL RESULTS

Batch: 1

Laboratory ID Code	Parameter	Method Number	Date of Analysis	Time of Analysis	Analysis(s)	Results	Units	RL	Batch	Flag
010925348	BOD ₅	SM 5210B	1/9/2025	12:46 PM	LW:LW	25.9	mg/L	1.00	1	
Blank										
Limit: ≤ 0.20 mg/L			MD Precision		Limit: ≤ 25.0%		LCS Accuracy			
			Limit: ≤ 25.0%		Limit: ≤ 25.0%		Limit: 84.6 - 115.4%			
Blank	Flag	Sample Reading	MD Reading	RPD	Flag	LCS Reading	LCS Conc	% Recovery	Flag	
≤ 0.20 mg/L		7.34	8.11	9.90		199.5	198	100.8		

Notes:

- The data for precision and accuracy are generated on a sample analyzed in the same batch as the customer's sample. These values may or may not have been based on the customer's sample.
- A blank space indicates that it is either not applicable or not performed.
- These results relate only to the samples listed.
- This report cannot be reproduced except in full without written approval of the laboratory.
- The results contained in this report meet all the requirements of the TNI standards for accreditation.
- MOL = Minimum Quantitation Level, LCS = Laboratory Control Sample, MD = Matrix Duplicate, MS = Matrix Spike
- MSD = Matrix Spike Duplicate.
- Samples will be disposed of at the end of the method holding time or 30 days from the date the report is mailed to the customer, whichever is shorter.
- Explanation of Flags used in this report:

Laboratory Management

Date

Quality Assurance Officer

Date

CITY OF ODESSA LABORATORY SERVICES TEST RESULTS



Laboratory Address: 817 W. 42nd Street
Mailing Address: 817 W. 42nd Street
 Odessa, TX 79764
Contact: Jason Wells
Phone: 432-368-3536
Email: jwells@odessa-tx.gov

Customer: Terrell County WCID
Address: P.O. Box 569
 Sanderson, TX 79848
Sample Location: Sanderson WWTP
Date of Collection: 1/9/2025
Time of Collection: 6:45 AM
Collected by: TL
Sample receipt date: 1/9/2025
Report Number: 011625REP01

Laboratory ID Code	Parameter	Method Number	Date of Analysis	Time of Analysis	Analyst(s)	Results	Units	MOL/RL	Batch	Flag
010925348	CBOD ₅	SM 5210 B	1/9/2025	12:47 PM	LW/LW	19.5	mg/L	1.00	1	
010925350	TSS	SM 2540 D	1/9/2025	12:04 PM	MM	40.7	mg/L	0.500	1	
010925351	Ammonia	SM 4500-NH ₃ D	1/10/2025	2:28 PM	MH	7.29	mg/L	0.200	1	
010925350	Nitrate	EPA 300.0	1/9/2025	12:11 PM	MH	< 0.200	mg/L	0.200	1	
010925350	Chloride	EPA 300.0	1/9/2025	12:11 PM	MH	62.8	mg/L	20.0	1	
010925351	l-Phosphorus	SM 4500-P E	1/9/2025	1:00 PM	MH	4.85	mg/L	0.100	1	
010925352	E. coli	Coli-ert SM 9223 B	1/9/2025	1:19 PM	CP-CP	19.9	MPN/100 mL	1	1	
010925350	TDS	SM 2540 C	1/10/2025	10:00 AM	GL	527	mg/L	95.0	1	
010925350	Alkalinity ^a	SM 2320 B	1/10/2025	1:26 PM	GL	297	mg/L	20.0	1	
010925350	Sulfate	EPA 300.0	1/9/2025	12:11 PM	MH	20.4	mg/L	2.00	1	
010925353	Oil & Grease	EPA 1664, Rev B	1/14/2025	10:46 AM	GL	< 5.0	mg/L	5.00	1	

Notes:

- The data for precision and accuracy are generated on a sample analyzed in the same batch as the customer's sample. These values may or may not have been based on the customer's sample.
- A blank space indicates that it is either not applicable or not performed.
- These results relate only to the samples listed.
- This report cannot be reproduced except in full without written approval of the laboratory.
- The results contained in this report meet all the requirements of the TNL standards for accreditation.
- MQL = Minimum Quantitation Level, LCS = Laboratory Control Sample, MD = Matrix Duplicate, MS = Matrix Spike MSD = Matrix Spike Duplicate.
- Samples will be disposed of at the end of the method holding time or 30 days from the date the report is mailed to the customer, whichever is shorter.
- The Alkalinity reported as mg/L CaCO₃ to a pH of 4.5 equals the Alkalinity result(s) listed above.
- Analysis performed by City of Odessa's Contract Lab.
- Explanation of Flags used in this report:

Laboratory Management

Date

Quality Assurance Officer

Date



PERMIT NO. WQ0014120001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This is a renewal of Permit No.
WQ0014120001 issued on
February 17, 2011.

PERMIT TO DISCHARGE WASTES
under provisions of Chapter 26
of the Texas Water Code

Terrell County Water Control and Improvement District No. 1

whose mailing address is

P. O. Box 569
Sanderson, Texas 79848

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 4952.

General Description and Location of Waste Disposal System:

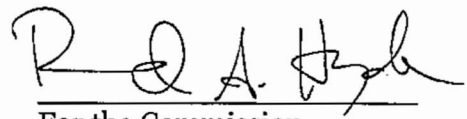
Description: The Sanderson Wastewater Treatment Facility consists of a pond system. Treatment units include two bar screens, influent meter station, two facultative lagoons with a surface area of 2.33 acres and volume of 21 acre-feet, and two stabilization/storage ponds with a total surface area of 4.8 acres, and total capacity of 19.2 acre-feet. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.15 million gallons per day (MGD) via surface irrigation of 28 acres of non-public access native range grassland. Application rates shall not exceed 6.0 acre-feet per year per acre irrigated.

Location: The wastewater treatment facility and disposal site are located 4.3 miles southeast of the intersection of U.S. Highway 285 and U.S. Highway 90 along U.S. Highway 90 on the northeast side of the road, in Terrell County, Texas 79848. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Sanderson Creek in the drainage area of the Rio Grande in Segment No. 2306 of the Rio Grande Basin. No discharge of pollutants into water in the state is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight on **September 1, 2025**.

ISSUED DATE: November 4, 2015


For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Conditions of the Permit: No discharge of pollutants into water in the state is authorized.

A. Effluent Limitations

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.15 MGD from the treatment system

Quality: The following effluent limitations are required:

<u>Parameter</u>	<u>Effluent Concentrations</u>	
	(Not to Exceed)	
	<u>Daily Average</u> mg/l	<u>Single Grab</u> mg/l
Biochemical Oxygen Demand (5-day)	N/A	100

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

B. Monitoring Requirements:

<u>Parameter</u>	<u>Monitoring Frequency</u>	<u>Sample Type</u>
Flow	Five/week	Instantaneous
Biochemical Oxygen Demand (5-day)	One/month	Grab
pH	One/month	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

DEFINITIONS

All definitions in Section 26.001 of the Texas Water Code and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

- a. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.
- b. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with 1 million gallons per day or greater permitted flow.
- c. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

2. Concentration Measurements

- a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.
 - i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.
 - ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.
- b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.
- c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

3. Sample Type

- a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).
 - b. Grab sample - an individual sample collected in less than 15 minutes.
4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.
 5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids which have not been classified as hazardous waste separated from wastewater by unit processes.
 6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING REQUIREMENTS

1. Monitoring Requirements

Monitoring results shall be collected at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling in accordance with 30 TAC §§ 319.4 - 319.12.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record or other document submitted or required to be maintained under this permit, including monitoring reports, records or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

- a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests and calculations shall be accurately accomplished in a representative manner.
- b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

- a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.
- b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, or application. This period shall be extended at the request of the Executive Director.
- c. Records of monitoring activities shall include the following:
 - i. date, time and place of sample or measurement;
 - ii. identity of individual who collected the sample or made the measurement.
 - iii. date and time of analysis;
 - iv. identity of the individual and laboratory who performed the analysis;
 - v. the technique or method of analysis; and
 - vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in determining compliance with permit requirements.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

a. In accordance with 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

i. Unauthorized discharges as defined in Permit Condition 2(g).

ii. Any unanticipated bypass which exceeds any effluent limitation in the permit.

c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible.

8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. One hundred micrograms per liter (100 µg/L);

ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;

- iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.
- b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
- i. Five hundred micrograms per liter (500 µg/L);
 - ii. One milligram per liter (1 mg/L) for antimony;
 - iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
 - iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

PERMIT CONDITIONS

1. General

- a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.
- b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:
 - i. Violation of any terms or conditions of this permit;
 - ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
- c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

- a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

- b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation or suspension, or for denial of a permit renewal application or an application for a permit for another facility.
 - c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
 - d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation which has a reasonable likelihood of adversely affecting human health or the environment.
 - e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.
 - f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and Texas Water Code Section 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
 - g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Special Provisions section of this permit.
 - h. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties).
3. Inspections and Entry
- a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.
 - b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in

charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code Section 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

- a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:
 - i. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;
 - ii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.
- b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.
- c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.
- d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.
- e. In accordance with the Texas Water Code § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

5. Permit Transfer

- a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.
- b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

8. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

9. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

10. Notice of Bankruptcy.

- a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:
 - i. the permittee;
 - ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or
 - iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.
- b. This notification must indicate:
 - i. the name of the permittee;
 - ii. the permit number(s);
 - iii. the bankruptcy court in which the petition for bankruptcy was filed; and
 - iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.
2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.
3. Domestic wastewater treatment facilities shall comply with the following provisions:
 - a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.
 - b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.
4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.
5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.
6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under Texas Water Code § 7.302(b)(6).
7. Documentation

For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information specified as not confidential in 30 TAC § 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim

must be asserted in the manner prescribed in the application form or by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities which generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

- a. Whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

If in the judgement of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 169) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

- b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.
- c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.
10. Facilities which generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:
 - a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.
 - b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.
 - c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Environmental Cleanup Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.
 - d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.
 - e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.
 - f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:
 - i. Volume of waste and date(s) generated from treatment process;
 - ii. Volume of waste disposed of on-site or shipped off-site;
 - iii. Date(s) of disposal;
 - iv. Identity of hauler or transporter;
 - v. Location of disposal site; and
 - vi. Method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of

the TCEQ for at least five years.

11. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with Chapter 361 of the Texas Health and Safety Code.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site or co-disposal landfill. **The disposal of sludge by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of sludge. This provision does not authorize land application of Class A or Class AB Sewage Sludge. This provision does not authorize the permittee to land apply sludge on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. In all cases, if the person (permit holder) who prepares the sewage sludge supplies the sewage sludge to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge to assure compliance with these regulations.
3. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

B. Testing Requirements

1. Sewage sludge shall be tested prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 7) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 7) and the Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year.

2. Sewage sludge shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C.

TABLE 1

<u>Pollutant</u>	<u>Ceiling Concentration</u> <u>(Milligrams per kilogram)*</u>
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B pathogen requirements.

- a. For sewage sludge to be classified as Class A with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(2)(A) for specific information.

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion.

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

- b. For sewage sludge to be classified as Class AB with respect to pathogens, the density of fecal coliform in the sewage sludge be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met.

Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%.

Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information.

Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

- c. Sewage sludge that meets the requirements of Class AB sewage sludge may be classified a Class A sewage sludge if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.
- d. Three alternatives are available to demonstrate compliance with Class B criteria for sewage sludge.

Alternative 1

- i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.
- ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;
- ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;
- iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and
- v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

- i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

- ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;
- iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;
- iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and
- v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition, the following site restrictions must be met if Class B sludge is land applied:

- i. Food crops with harvested parts that touch the sewage sludge/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of sewage sludge.
- ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of sewage sludge when the sewage sludge remains on the land surface for 4 months or longer prior to incorporation into the soil.
- iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of sewage sludge when the sewage sludge remains on the land surface for less than 4 months prior to incorporation into the soil.
- iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of sewage sludge.
- v. Animals shall not be allowed to graze on the land for 30 days after application of sewage sludge.
- vi. Turf grown on land where sewage sludge is applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.
- vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of sewage sludge.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of sewage sludge.

ix. Land application of sludge shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

- i. Sewage sludge shall be injected below the surface of the land.
- ii. No significant amount of the sewage sludge shall be present on the land surface within one hour after the sewage sludge is injected.
- iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the sewage sludge shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10 -

- i. Sewage sludge applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.
- ii. When sewage sludge that is incorporated into the soil is Class A or Class AB with respect to pathogens, the sewage sludge shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test - prior to sludge disposal
PCBs - prior to sludge disposal

All metal constituents and fecal coliform or Salmonella sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

<u>Amount of sewage sludge (*) metric tons per 365-day period</u>	<u>Monitoring Frequency</u>
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk sewage sludge applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

<u>Pollutant</u>	<u>Cumulative Pollutant Loading Rate (pounds per acre)*</u>
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

<u>Pollutant</u>	<u>Monthly Average Concentration (milligrams per kilogram)*</u>
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk sewage sludge shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.
2. Bulk sewage sludge not meeting Class A requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.
3. Bulk sewage sludge shall be applied at or below the agronomic rate of the cover crop.
4. An information sheet shall be provided to the person who receives bulk sewage sludge sold or given away. The information sheet shall contain the following information:
 - a. The name and address of the person who prepared the sewage sludge that is sold or given away in a bag or other container for application to the land.
 - b. A statement that application of the sewage sludge to the land is prohibited except in accordance with the instruction on the label or information sheet.
 - c. The annual whole sludge application rate for the sewage sludge application rate for the sewage sludge that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk sewage sludge is applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk sewage sludge is proposed to be applied. The notice shall include:
 - a. The location, by street address, and specific latitude and longitude, of each land application site.
 - b. The approximate time period bulk sewage sludge will be applied to the site.
 - c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk sewage sludge.
2. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.

E. Record keeping Requirements

The sludge documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at

the facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.
2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B sludge, if applicable).
3. A description of how the vector attraction reduction requirements are met.
4. A description of how the management practices listed above in Section II.C are being met.
5. The following certification statement:

"I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk sewage sludge is applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk sewage sludge or a sewage sludge material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:
 - a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.
 - b. The location, by street address, and specific latitude and longitude, of each site on which sludge is applied.
 - c. The number of acres in each site on which bulk sludge is applied.
 - d. The date and time sludge is applied to each site.

- e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.
- f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 7) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year the following information:

1. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.
2. The frequency of monitoring listed in Section I.C. that applies to the permittee.
3. Toxicity Characteristic Leaching Procedure (TCLP) results.
4. Identity of hauler(s) and TCEQ transporter number.
5. PCB concentration in sludge in mg/kg.
6. Date(s) of disposal.
7. Owner of disposal site(s).
8. Texas Commission on Environmental Quality registration number, if applicable.
9. Amount of sludge disposal dry weight (lbs/acre) at each disposal site.
10. The concentration (mg/kg) in the sludge of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.
11. Level of pathogen reduction achieved (Class A, Class AB or Class B).
12. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B sludge, include information on how site restrictions were met.
13. Vector attraction reduction alternative used as listed in Section I.B.4.
14. Annual sludge production in dry tons/year.
15. Amount of sludge land applied in dry tons/year.
16. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge treatment activities, shall be attached to the annual reporting form.

17. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.
 - a. The location, by street address, and specific latitude and longitude.
 - b. The number of acres in each site on which bulk sewage sludge is applied.
 - c. The date and time bulk sewage sludge is applied to each site.
 - d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk sewage sludge applied to each site.
 - e. The amount of sewage sludge (i.e., dry tons) applied to each site.

The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

**SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE
DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL**

- A. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
- B. If the permittee generates sewage sludge and supplies that sewage sludge to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.
- C. The permittee shall give 180 days prior notice to the Executive Director in care of the Wastewater Permitting Section (MC 148) of the Water Quality Division of any change planned in the sewage sludge disposal practice.
- D. Sewage sludge shall be tested prior to sludge disposal in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

Following failure of any TCLP test, the management or disposal of sewage sludge at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division and the Regional Director (MC Region 7) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Registration, Review, and Reporting Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 7) and the Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year.

- E. Sewage sludge shall be tested as needed, in accordance with the requirements of 30 TAC § 330.
- F. Record keeping Requirements

The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.
2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

G. Reporting Requirements

The permittee shall report annually to the TCEQ Regional Office (MC Region 7) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division by September 30th of each year the following information:

1. Toxicity Characteristic Leaching Procedure (TCLP) results.
2. Annual sludge production in dry tons/year.
3. Amount of sludge disposed in a municipal solid waste landfill in dry tons/year.
4. Amount of sludge transported interstate in dry tons/year.
5. A certification that the sewage sludge meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.
6. Identity of hauler(s) and transporter registration number.
7. Owner of disposal site(s).
8. Location of disposal site(s).
9. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge that is transported to another wastewater treatment facility or facility that further processes sludge. These provisions are intended to allow transport of sludge to facilities that have been authorized to accept sludge. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.
2. Sludge may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:
 - a. the amount of sludge transported;
 - b. the date of transport;
 - c. the name and TCEQ permit number of the receiving facility or facilities;
 - d. the location of the receiving facility or facilities;
 - e. the name and TCEQ permit number of the facility that generated the waste; and
 - f. copy of the written agreement between the permittee and the receiving facility to accept sludge.
2. For sludge transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge transported.
3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall report the following information annually to the TCEQ Regional Office (MC Region 7) and Water Quality Compliance Monitoring Team (MC 224) of the Enforcement Division, by September 30th of each year:

1. the annual sludge production;
2. the amount of sludge transported;
3. the owner of each receiving facility;
4. the location of each receiving facility; and
5. the date(s) of disposal at each receiving facility.

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SPECIAL PROVISIONS:

1. This permit is granted subject to the policy of the Commission to encourage the development of areawide waste collection, treatment and disposal systems. The Commission reserves the right to amend this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an areawide system, if an areawide system is developed; to require the delivery of the wastes authorized to be collected in, treated by, or discharged from the system, to an areawide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment, or disposal system.
2. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC § 30, Occupational Licenses and Registrations and in particular 30 TAC § 30, Subchapter J, Wastewater Operators and Operations Companies.

This Category D facility must be operated by a chief operator or an operator holding a Category D license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.
4. Irrigation practices shall be designed and managed so as to prevent ponding of effluent or contamination of ground and surface waters and to prevent the occurrence of nuisance conditions in the area. Tailwater control facilities shall be provided as necessary to prevent the discharge of any effluent from the irrigated land.
5. Wastewater shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.
6. Application rates shall not exceed 6.0 acre-feet per year per acre irrigated. The permittee is responsible for providing equipment to determine application rates and maintaining accurate records of the volume of effluent applied. These records shall be made available for review by the Texas Commission on Environmental Quality and shall be maintained for at least three years.
7. Holding or storage ponds shall conform to the Texas Commission on Environmental Quality "Design Criteria for Sewerage Systems" requirements for stabilization ponds with regard to construction and levee design, and a minimum of 2 feet of freeboard shall be maintained.

8. The permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply for any area where treated effluent is stored or where there exist hose bibs or faucets. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.
9. Spray fixtures for the irrigation system shall be of such design that they cannot be operated by unauthorized personnel.
10. Irrigation with effluent shall be accomplished only when the area specified is not in use.
11. Permanent transmission lines shall be installed from the holding pond to each tract of land to be irrigated utilizing effluent from that pond.
12. The permittee shall comply with the requirements of 30 TAC § 309.13 (a) through (d). In addition, by ownership of the required buffer zone area, the permittee shall comply with the requirements of 30 TAC § 309.13 (e).
13. A 100 foot buffer zone shall be maintained around all stream channels located within the area to be irrigated.
14. A viable cool season cover crop shall be maintained when native grasses are dormant.
15. The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 28 acres with no less than 10 to 15 subsamples representing each composite sample. Subsamples shall be composited by like sampling depth and soil type for analysis and reporting. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 6 inches, 6 inches to 18 inches and 18 inches to 30 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection. The permittee shall provide annual soil analyses of the land application area according to the following table:

Parameter	Method	Minimum Analytical Level (MAL)	Reporting units
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	2:1 (v/v) water to soil mixture	0.01	dS/m (same as mmho/cm)
Total Nitrogen	= TKN + nitrate-nitrogen (same as, organic-nitrogen + ammonium-nitrogen + nitrate-nitrogen)		mg/kg (dry weight basis)

Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K) 10 (Ca) 5 (Mg) 10 (Na) 1 (S)	mg/kg (dry weight basis)

The permittee shall provide a copy of this plan to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the Water Quality Assessment Team (MC 150), TCEQ Regional Office (MC Region 7) and the Enforcement Division (MC 224) no later than end of September following the sampling date of each year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater and/or sludge has not been applied on the approved land disposal sites during that year.

RECEIVED

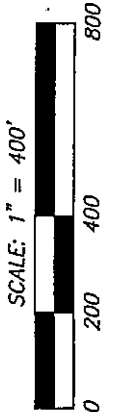
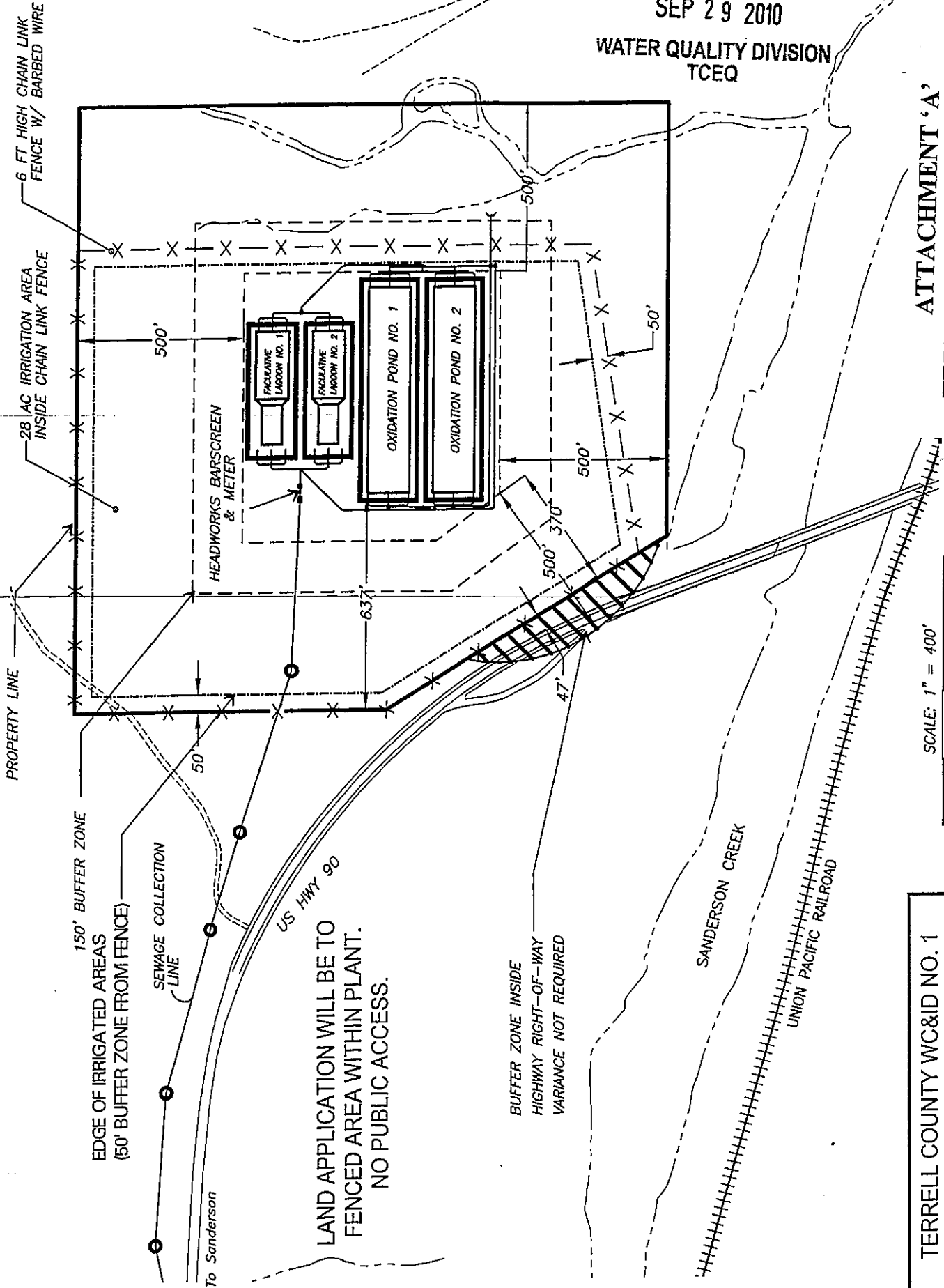
SEP 29 2010

WATER QUALITY DIVISION
TCEQ

ATTACHMENT 'A'

TERRELL COUNTY WC&ID NO. 1

TCEQ PERMIT NO. WQ0014120001



LAND APPLICATION WILL BE TO
FENCED AREA WITHIN PLANT.
NO PUBLIC ACCESS.

TERRELL COUNTY WC&ID NO. 1

EXHIBIT 3

Buffer Zone Site Map

MAY 2010

TECHNICAL SUMMARY AND EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	Terrell County Water Control and Improvement District No.1 TCEQ Permit No. WQ0014120001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal with no changes.
Authority:	Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 305, 309, 312, 319, and 30; and Commission policies.

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit includes an expiration date of **ten years from the date of issuance**, according to 30 TAC Section 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.

REASON FOR PROJECT PROPOSED

Terrell County Water Control and Improvement District No.1 has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Permit No. WQ0014120001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.15 million gallons per day (MGD) via surface irrigation of 28 acres of non-public access native range grassland.

The facility includes 2 storage ponds with a total surface area of 4.8 acres and total capacity of 19.2 acre-feet for storage of treated effluent prior to irrigation.

The existing wastewater treatment facility serves the Terrell County Water Control and Improvement District No. 1.

PROJECT DESCRIPTION AND LOCATION

The Sanderson Wastewater Treatment Facility consists of a pond system. Treatment units include two bar screens, two facultative lagoons with a surface area of 2.33 acres and volume of 21 acre-feet and two stabilization/storage ponds with a total surface area of 4.8 acres and total capacity of 19.2 acre-feet for storage of treated effluent prior to irrigation. The facility is in operation.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ permitted landfill, City of Alpine Landfill, MSW Permit No. 2197, in Brewster County. The draft permit also authorizes the disposal of sludge at a TCEQ authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

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The wastewater treatment facility and disposal site are located 4.3 miles southeast of the intersection of U.S Highway 285 and U.S. Highway 90 along U.S Highway 90 on the northeast side of the road, in Tarrell County, Texas 79848.

The wastewater treatment facility and disposal site are located in the drainage basin of the Rio Grande in Segment No. 2306 of the Rio Grande. No discharge of pollutants into water in the state is authorized by this permit.

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period January ,2024 to June, 2025. The average of Daily Average value is computed by averaging of all 30-day average values for the reporting period for each parameter: , five-day biochemical oxygen demand (BOD₅). Based on the information provided by applicant on June 23, 2025 the applicant mentioned about the faulty flow meter due to which they do not have recorded flow data.

<u>Parameter</u>	<u>Average of Daily Average</u>
Flow, MGD	Not provided by applicant
BOD ₅ , mg/l	48

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.15 MGD via surface irrigation of 28 acres of non-public access native range grassland.

The facility includes 2 storage ponds with a total surface area of 4.8 acres and total capacity of 19.2 acre-feet for storage of treated effluent prior to irrigation.

Application rates to the irrigated land shall not exceed 6.0 acre-feet per year per acre irrigated.

The permittee will maintain native grassland on the disposal site.

The effluent limitation in the draft permit, based on a single grab, is 100 mg/l biochemical oxygen demand (BOD₅). The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes based on peak flow.

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal, and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ permitted landfill, City of Alpine Landfill, MSW Permit No. 2197, in Brewster County. The draft permit also authorizes the disposal of sludge at a TCEQ authorized land application site,co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

SUMMARY OF CHANGES FROM APPLICATION

None.

SUMMARY OF CHANGES FROM EXISTING PERMIT

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Effluent limitations and monitoring requirements in the draft permit remain the same as the existing permit effluent limitations and monitoring requirements. The Sludge Provisions, Special Provisions, and Standard Provisions have been revised in the draft permit.

Certain accidental discharges or spills of treated or untreated wastewater from wastewater treatment facilities or collection systems owned or operated by a local government may be reported on a monthly basis in accordance with 30 TAC § 305.132.

The draft permit includes all updates based on the 30 TAC 312 rule change effective April 23, 2020.

Based on the Geology Compliance Review and the Agronomy Recommendation, Special Provisions Nos. 16, 17, 18, 19, 20 and 21 have been added to the draft permit and Special Provision

Nos. 4, 5 and 8 of the existing permit has been revised in the draft permit.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on March 5, 2025, and additional information received on July 17, 2025.
2. Existing TCEQ permit: Permit No. WQ0014120001 issued on November 4, 2015.
3. Interoffice Memorandum from the Water Quality Assessment Team, Water Quality Assessment & Standards Section, Water Quality Division.

PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the Chief Clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for review and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. At that time, the Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

Any interested person may request a public meeting on the application until the deadline for

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filing public comments. A public meeting is intended for the taking of public comment and is not a contested case proceeding.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's response to comments and final decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the Commission grants a contested case hearing as described above, the Commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the Commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Sahil Hudda at (512) 239-4748.

Sahil Hudda

Sahil Hudda
Municipal Permits Team
Wastewater Permitting Section (MC 148)

July 8, 2025

Date