Administrative Package Cover Page

This file contains the following documents:

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

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

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.

City of Talco (CN600690689) operates City of Talco Wastewater (RN101919710), a wastewater plant. The facility is located approximately 1.6 miles northeast of intersection US Highway 271 and Farm to Market Road 71, near the city of Talco, Titus County, Texas 75487. This application is for a renewal to discharge at a daily average flow of 125,000 million gallons (MGD) gallons per day of treated domestic wastewater. Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dechlorination chamber. We have four drying beds.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0010869001

APPLICATION. City of Talco, P.O. Box 365, Talco, Texas 75487, to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010869001 (EPA I.D. No. TX0021105) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 125,000 gallons per day. The domestic wastewater treatment facility is located approximatley 1.6 miles northeast of the intersection of Farm-to-Market Road 71 and U.S. Highway 271, in Titus County, Texas 75487. The discharge route is from the plant site to an unnamed ditch; thence to Prairie Lake; thence to an unnamed tributary of the Sulphur River; thence to Sulphur/South Sulphur River. TCEQ received this application on October 9, 2025. The permit application will be available for viewing at Talco City Hall, Bulletin Board, 400 West Broad Street, Talco, in Titus County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.088333,33.367777&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 City of Talco at the address stated above or by calling Mrs. Jackie Moore, City Secretary, at 903-379-3731.

Issuance Date: October 23, 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 9, 2025

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

Dear Applicant:

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

ER Account Number: ER066412
Application Reference Number: 820796
Authorization Number: WQ0010869001
Site Name: Talco WWTP
Regulated Entity: RN101919710 - City of Talco
Customer(s): CN600690689 - City of Talco

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

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

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0010869001

Site Information (Regulated Entity)

What is the name of the site to be authorized?	TALCO WWTP
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	LOCATED APPROX 1.6 M NE OF THE INTERX OF FM RD 71 AND US HWY 271
City	TALCO
State	TX
ZIP	75487
County	TITUS
Latitude (N) (##.######)	33.367777
Longitude (W) (-###.######)	-95.088333
Primary SIC Code	4952
Secondary SIC Code	
Primary NAICS Code	221320
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101919710
What is the name of the Regulated Entity (RE)?	CITY OF TALCO
Does the RE site have a physical address?	No
Physical Address	
Because there is no physical address, describe how to locate this site:	N SIDE OF FM 71 APPX 1 MILE NE OF TALCO TITUS COUNTY
City	TALCO
State	TX
ZIP	75487
County	TITUS
Latitude (N) (##.######)	
Longitude (W) (-###.######)	
Facility NAICS Code	
What is the primary business of this entity?	DOMESTIC

City of-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600690689
Type of Customer	City Government
Full legal name of the applicant:	
Legal Name	City of Talco
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	

Local Tax ID	
DUNS Number	22132
Number of Employees	
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	City of Talco
Prefix	THE HONORABLE
First	SHIRLEY
Middle	
Last	CARUTHERS
Suffix	
Credentials	
Title	MAYOR
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
Routing (such as Mail Code, Dept., or Attn:)	
City	TALCO
State	TX
ZIP	75487
Phone (###-###-####)	9033793731
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9033793311
E-mail	CITYOFTALCO@GMAIL.COM

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN600690689, City of Talco
Organization Name	CITY OF TALCO
Prefix	MRS
First	JACKIE
Middle	
Last	MOORE
Suffix	
Credentials	
Title	CITY SECRETARY
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
Routing (such as Mail Code, Dept., or Attn:)	
City	TALCO
State	TX
ZIP	75487

Phone (###-###-####)	9033793731
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	cityoftalco@gmail.com

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Billing Contact
Organization Name	CITY OF TALCO
Prefix	MRS
First	JACKIE
Middle	
Last	MOORE
Suffix	
Credentials	
Title	CITY SECRETARY
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
Routing (such as Mail Code, Dept., or Attn:)	
City	TALCO
State	TX
ZIP	75487
Phone (###-###-####)	9033793731
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	cityoftalco@gmail.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	CITY OF TALCO
Prefix	MR
First	RANDY
Middle	
Last	CARROLL
Suffix	
Credentials	
Title	UTILITY SUPERVISOR
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
Routing (such as Mail Code, Dept., or Attn:)	

City	TALCO
State	TX
ZIP	75487
Phone (###-###-####)	9033793731
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9033793311
E-mail	CITYOFTALCO@GMAIL.COM

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	
Organization Name	City of Talco
Prefix	THE HONORABLE
First	SHIRLEY
Middle	
Last	CARUTHERS
Suffix	
Credentials	
Title	MAYOR
Enter new address or copy one from list:	

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
Routing (such as Mail Code, Dept., or Attn:)	
City	TALCO
State	TX
ZIP	75487
Phone (###-###-####)	9033793731
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9033793311
E-mail	CITYOFTALCO@GMAIL.COM

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	
2) Organization Name	CITY OF TALCO
3) Prefix	
4) First	Randy
5) Middle	
6) Last	Carroll
7) Suffix	
8) Credentials	
9) Title	CITY SECRETARY

Mailing Address

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 365
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	TALCO
11.4) State	TX
11.5) ZIP	75487
12) Phone (###-###-####)	9033793731
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	9033793311
16) E-mail	cityoftalco@gmail.com

Owner Information

Owner of Treatment Facility

1) Prefix	
2) First and Last Name	
3) Organization Name	CITY OF TALCO
4) Mailing Address	PO Box 365
5) City	Talco
6) State	TX
7) Zip Code	75487
8) Phone (###-###-####)	9033793731
9) Extension	
10) Email	cityoftalco@gmail.com
11) What is ownership of the treatment facility?	Public

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

12) Prefix	
13) First and Last Name	
14) Organization Name	CITY OF TALCO
15) Mailing Address	PO Box 365
16) City	Talco
17) State	TX
18) Zip Code	75487
19) Phone (###-###-####)	9033793731
20) Extension	
21) Email	cityoftalco@gmail.com
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	04/08/2026
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal without changes

5) Current Authorization type:	Public Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	.125
5.2) Select the applicable fee	>= .10 & < .25 MGD - Renewal - $815
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0021105
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	TALCO TEXAS
6.5) County where the outfalls are located:	TITUS
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
6.7) Is the daily average discharge at your facility of 5 MGD or more?	No
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

Public Notice Information

Individual Publishing the Notices	
1) Prefix	MRS
2) First and Last Name	Jackie Moore
3) Credential	
4) Title	CITY SECRETARY
5) Organization Name	City of Talco
6) Mailing Address	PO BOX 365
7) Address Line 2	
8) City	TALCO
9) State	TX
10) Zip Code	75487
11) Phone (###-###-####)	9033793731
12) Extension	
13) Fax (###-###-####)	9033793311
14) Email	cityoftalco@gmail.com
Contact person to be listed in the Notices	
15) Prefix	MRS
16) First and Last Name	JACKIE MOORE
17) Credential	
18) Title	CITY SECRETARY
19) Organization Name	
20) Phone (###-###-####)	9033793731
21) Fax (###-###-####)	9033793311
22) Email	cityoftalco@gmail.com
Bilingual Notice Requirements	
23) Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?	No

Section 1# Public Viewing Information

County#: 1

1) County	TITUS
2) Public building name	TALCO CITY HALL
3) Location within the building	BULLETIN BOARD
4) Physical Address of Building	400 West Broad Street 400 W Broad Street
5) City	Talco
6) Contact Name	Jackie Moore
7) Phone (###-###-####)	9033793731
8) Extension	
9) Is the location open to the public?	Yes

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_SUMMARY OF APPLICATION IN PLAIN LANGUAGE.pdf
Hash	179005632AE037714E38EC656A304EAA36F6BC6D240D0F3F6D7AB76A010679B7
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_SPIF.docx
Hash	41879391425F07472D2D9B0C0F43A79D2E2C50F906C168DDB6C98C35BCA42D6E
MIME-Type	application/vnd.openxmlformats-officedocument.wordprocessingml.document

Domestic Attachments

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

[File Properties]

File Name	MAP_Talco WWP Titus County USGS Map.jpg
Hash	621CF308D18FA00F4C79091E1108082381C8240FAD034FAA111EFB35F2E1A1FD
MIME-Type	image/jpeg

[File Properties]

File Name	MAP_Talco WWP Red River County Map.jpg
Hash	368472898AA8B07F408F236AC3835711CB33C5183D1BD353D302668F2EBEE27F
MIME-Type	image/jpeg

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes

2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?	No
2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?	No
2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?	No
2.5) I confirm that Worksheet 6.0 (Industrial Waste Contribution) is complete and included in the Technical Attachment.	Yes
2.6) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?	No

2.7) Technical Attachment

[File Properties]

File Name	TECH_DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0.pdf
Hash	A72A2E305B761321BF3A978E8B8AC91719E6678567BAFAC830133210266ABE13
MIME-Type	application/pdf

[File Properties]

File Name	TECH_DOMESTIC WASTEWATER PERMIT APPLICATION WORK SHEET 2.0.pdf
Hash	1D35EFE9C831E3085ED0B74B2A222C3454CA6CCEEE472A28A69E27D8C98B1361
MIME-Type	application/pdf

[File Properties]

File Name	TECH_DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0.pdf
Hash	E8006C89CCFDE0C148D2F0635EB73429367C3921EAE66A4A2D2F51E687379D05
MIME-Type	application/pdf

[File Properties]

File Name	TECH_Treatment Process.pdf
Hash	33D4993FF862582E876A03DB75814FEC6028EC4E7E31F8BC77A9C0686DE587E6
MIME-Type	application/pdf

3) Buffer Zone Map

4) Flow Diagram

[File Properties]

File Name	FLDIA_Flow Diagram.pdf
Hash	568646A8545F238399D57E2415368D2BF8C019C25D1FE699BDD5D73EE05547AA
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name	SITEDR_Site Drawing.pdf
Hash	55AA8E6999D5CD09148EE54A390B8B782EA2902505D2BF0A5D1EAEF1EF50FD47
MIME-Type	application/pdf

6) Design Calculations

[File Properties]

File Name	DES_CAL_Design Calculations.pdf
Hash	A3DD05BB2E7E2EBDDFB1CDEEB0BF5F0EEB78E71B42C6954D99483A2B5F59CD76
MIME-Type	application/pdf

7) Solids Management Plan

8) Water Balance

9) Other Attachments

[File Properties]

File Name	OTHER_Effluent Water Report.pdf
Hash	E2F5FB88D980742327965C3DD1D19940C9F6E525B09C571B7263D906C8B7F5A5
MIME-Type	application/pdf

Certification

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

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

1. I am Jackie S Moore, the owner of the STEERS account ER066412.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0010869001.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Jackie S Moore OWNER

Customer Number:	CN600690689
Legal Name:	City of Talco
Account Number:	ER066412
Signature IP Address:	24.32.119.154
Signature Date:	2025-10-09
Signature Hash:	8AA01F3220774DE2C7DE8C411172FB8E8E4DC56810FC6B3581CAEAA32AA18E43
Form Hash Code at time of Signature:	34DB39835822C8A59A8AA3D0F6D3CA7EECBF46B3563187453A24BFD6882F9AA8

Fee Payment

Transaction by:	The application fee payment transaction was made by ER066412/Jackie S Moore
Paid by:	The application fee was paid by JACQUELINE MOORE
Fee Amount:	$800.00
Paid Date:	The application fee was paid on 2025-10-09
Transaction/Voucher number:	The transaction number is 582EA000688403 and the voucher number is 787036

Submission

Reference Number:	The application reference number is 820796
Submitted by:	The application was submitted by ER066412/Jackie S Moore
Submitted Timestamp:	The application was submitted on 2025-10-09 at 08:39:52 CDT
Submitted From:	The application was submitted from IP address 24.32.119.154
Confirmation Number:	The confirmation number is 683921
Steers Version:	The STEERS version is 6.93
Permit Number:	The permit number is WQ0010869001

Additional Information

Application Creator: This account was created by Jackie S Moore

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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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: CITY OF TALCO

   Permit No. WQ00 10869001 EPA ID No. TX 0021105

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

   400 W Broad, Talco, Texas 75487

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): MS

First and Last Name: JACKIE MOORE

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

Title: CITY SECRETARY

Mailing Address: P.O. BOX 365

City, State, Zip Code: TALCO, TEXAS 75487

Phone No.: 903-379-3731 Ext.: Click here to enter text. Fax No.: 903-379-3311

E-mail Address: cityoftalco@gmail.com

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

NA

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.

PLANT SITE TO AN UNAMED DITCH; THENCE TO PRARIE LAKE; THENCE TO AN UNAMED TRIBUTARY OF THE SULPHER RIVER; THENCE TO SULPHER/SOUTH SULPHER RIVER

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):

NA

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

NA

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:

NA

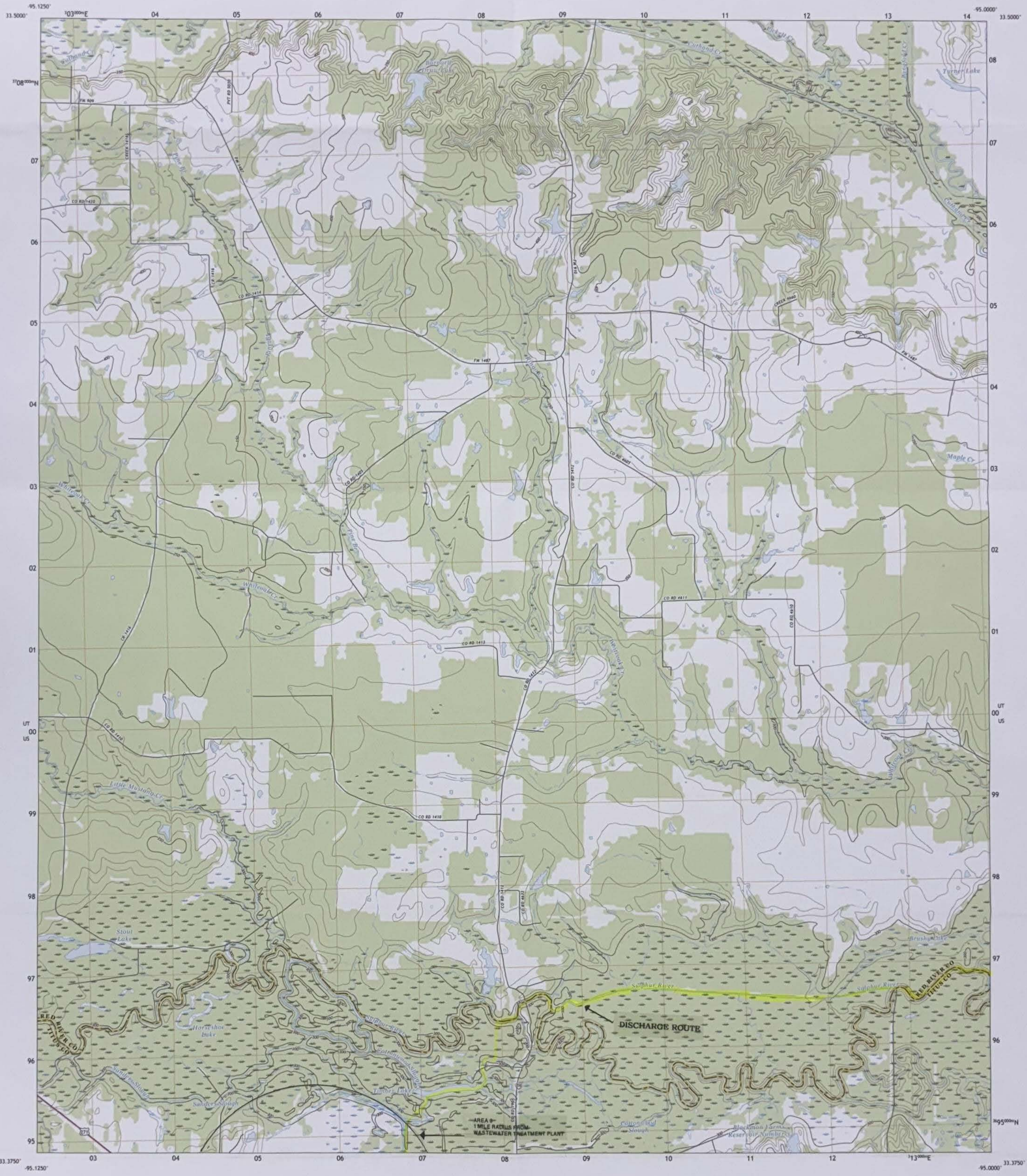
4. Provide a brief history of the property, and name of the architect/builder, if known.

NA

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

CUTHAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid Universal Transverse Mercator, Zone 15S
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP, August 2016 - November 2016	
Roads	U.S. Census Bureau, 2015 -	2018
Names	GNIS,	1979
Hydrography	National Hydrography Dataset, 2004 -	2018
Contours	National Elevation Dataset,	2004
Boundaries	Multiple sources; see metadata file 2016 -	2017
Wetlands	FWS National Wetlands Inventory 1982 -	2002

MN
GN
1°8
20 MILS
2°2
36 MILS
UTM GRID AND 2018 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
UT
US
Grid Zone Designation
15S

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
0.5 0 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.18

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Line Branch
2 Clarksville
3 Annona
4 Bogata
5 Boxelder
6 Hagansport
7 Talco
8 Wilkinson

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

CUTHAND, TX
2019

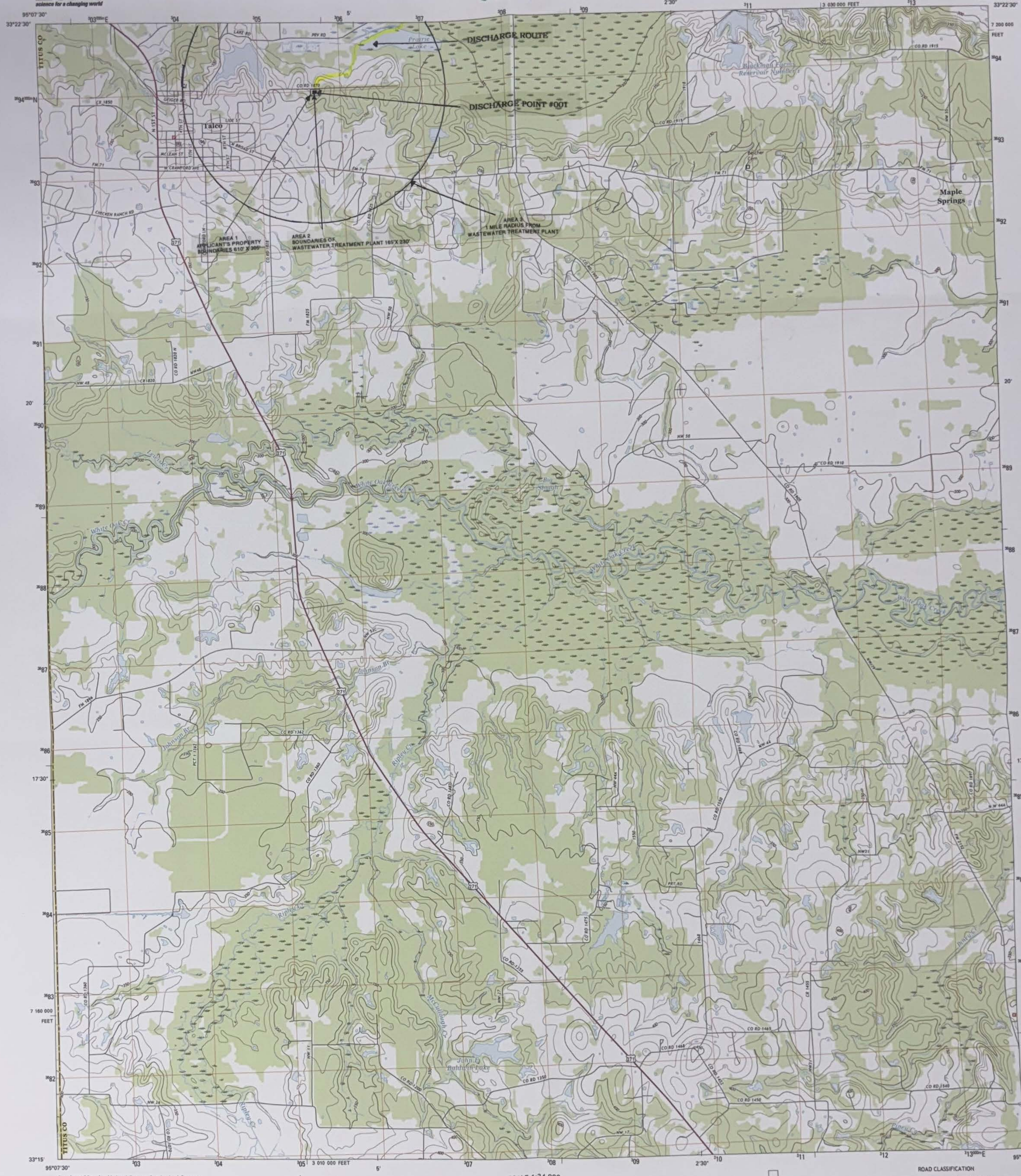
MSN 7144301639575S
NOA REF NO. USGSX24K11112

USGS
science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

TALCO QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 15S
10 000-foot ticks: Texas Coordinate System of 1983 (north central zone)

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP,	August 2014
Roads	U.S. Census Bureau,	2014 - 2015
Names	GNIS,	2015
Hydrography	National Hydrography Dataset,	2014
Contours	National Elevation Dataset,	2004
Boundaries	Multiple sources; see metadata file	1972 - 2015
Wetlands	FWS National Wetlands Inventory	1977 - 2014

UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
US
Grid Zone Designation 15S

SCALE 1:24 000

1 KILOMETERS 0.5 0 1 2
1000 METERS 500 0 1000 2000
1 MILES 0.5 0 1
1000 FEET 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Bogata
2 Cuthand
3 Boxelder
4 Hagansport
5 Wilkinson
6 Mount Vernon
7 Winfield
8 Mount Pleasant
ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

TALCO, TX
2016

MSN 7643016398520
NGA REF NO. USGSX24K44209

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, contact the Domestic Permits 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 42)

A. Existing/Interim I Phase

Design Flow (MGD): 0.125

2-Hr Peak Flow (MGD): 260 gpm

Estimated construction start date: NA

Estimated waste disposal start date: NA

B. Interim II Phase

Design Flow (MGD): NA

2-Hr Peak Flow (MGD): NA

Estimated construction start date: NA

Estimated waste disposal start date: NA

C. Final Phase

Design Flow (MGD): NA

2-Hr Peak Flow (MGD): NA

Estimated construction start date: NA

Estimated waste disposal start date: NA

D. Current Operating Phase

Provide the startup date of the facility: 1974

Section 2. Treatment Process (Instructions Page 42)

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.**

Attachment 2A-2I

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)
IM HOFF	1	32' X 21' X 20' H
AERATION CONTACT ZONE	1	8' X 9' X 16'7 H
CLARIFIER ZONE	1	17'3 X 0 X 16'7 H
REAERATION ZONE	1	35' X 9' 16'7 H
AEROBIC DIGESTOR	1	37' X 9' X 16'7 H
CHLORINE CHAMBER	1	7' X 9' X 16'7 H
DRYING BEDS	4	21'4 X 21'4 X 2'

C. Process Flow Diagram

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

Attachment: FLOW DIAGRAM 3A-3B

Section 3. Site Information and Drawing (Instructions Page 43)

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

- Latitude: 33 22 04
- Longitude: 95 05 17.7

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

- Latitude: NA
- Longitude: NA

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: 4A
Provide the name **and** a description of the area served by the treatment facility.

City limits of the City of Talco

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
City of Talco	City of Talco	**Publicly Owned**	740
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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.**

na

Section 5. Closure Plans (Instructions Page 44)

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.

na

Section 6. Permit Specific Requirements (Instructions Page 44)

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: Click to enter text.

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.**

NA

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.

NA

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.*

NA

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 BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

NA

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 BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

NA

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.

NA

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

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	<2.00		1	GRAB	09/25/25 08:30
Total Suspended Solids, mg/l	2.00		1	GRAB	09/25/25 08:30
Ammonia Nitrogen, mg/l	<0.020		1	GRAB	09/25/25 08:30
Nitrate Nitrogen, mg/l	2.59		1	GRAB	09/25/25 08:30
Total Kjeldahl Nitrogen, mg/l	14.3		1	GRAB	09/25/25 08:30
Sulfate, mg/l	23.2		1	GRAB	09/25/25 08:30
Chloride, mg/l	<3.00		1	GRAB	09/25/25 08:30
Total Phosphorus, mg/l	4.13		1	GRAB	09/25/25 08:30
pH, standard units	7.0		1	GRAB	09/25/25 08:30
Dissolved Oxygen*, mg/l	4.9		1	GRAB	09/25/25 08:30
Chlorine Residual, mg/l	3.53		1	GRAB	09/25/25 08:30
E.coli (CFU/100ml) freshwater	<1.0		1	GRAB	09/25/25 08:30
Entercocci (CFU/100ml) saltwater	NA				
Total Dissolved Solids, mg/l	510		1	GRAB	09/25/25 08:30
Electrical Conductivity, µmohs/cm, †	NA				
Oil & Grease, mg/l	<4.21		1	GRAB	09/25/25 08:30
Alkalinity ($CaCO_3$)*, mg/l	345		1	GRAB	09/25/25 08:30

*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	NA				
Total Dissolved Solids, mg/l	NA				
pH, standard units	NA				
Fluoride, mg/l	NA				
Aluminum, mg/l	NA				
Alkalinity ($CaCO_3$), mg/l	NA				

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: RANDY CARROLL

Facility Operator's License Classification and Level: CLASS C

Facility Operator's License Number: WW0013986

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or 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. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the

permit will authorize all sewage sludge or 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
Disposal in Landfill	On-Site Owner or Operator	Not Applicable	20 TONS	Class B: PSRP Air Drying	N/A: Disposal in Landfill
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: PLEASANT OAKS LANDFILL

TCEQ permit or registration number: 0797B

County where disposal site is located: TITUS

E. Transportation method

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

Name of the hauler: SANITATION SOLUTIONS

Hauler registration number: 23476

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

A. Beneficial use authorization

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

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply biosolids 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 Biosolids	☐ 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 $1x10^{-7}$ 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 54)

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: NA

Section 14. Laboratory Accreditation (Instructions Page 55)

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: RANDY CARROLL

Title: UTILITY SUPERVISOR

Signature: Randy Carroll

Date: 10-7-2025

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 63)

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 it 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 63)

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: NA

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 63)

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 63)

Name of the immediate receiving waters: UNNAMED DITCH

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.

NA

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.

PLANT SITE TO AN UNNAMED DITCH; THENCE TO PRAIRIE LAKE; THENCE TO AN UNNAMED TRIBUTARY OF THE SULPHER RIVER; THENCE TO SULPHER/SOUTH SULPHER RIVER

E. Normal dry weather characteristics

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

All streams except the effluent discharge route are dry. Prairie Lake does not discharge during dry weather.

Date and time of observation: AUGUST 28, 2025

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 65)

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
☐ Upstream discharges
☐ Septic tanks
☐ Urban runoff
☐ Agricultural runoff
☐ Other(s), specify: Click to enter text.

B. Waterbody uses

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

- ☒ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☐ 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 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following **is required** for **all publicly owned treatment works.**

Section 1. All POTWs (Instructions Page 87)

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: NA

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: NA

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: NA

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.

NA

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 87)

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.

NA

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.

NA

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 88)

A. General information

Company Name: NA

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

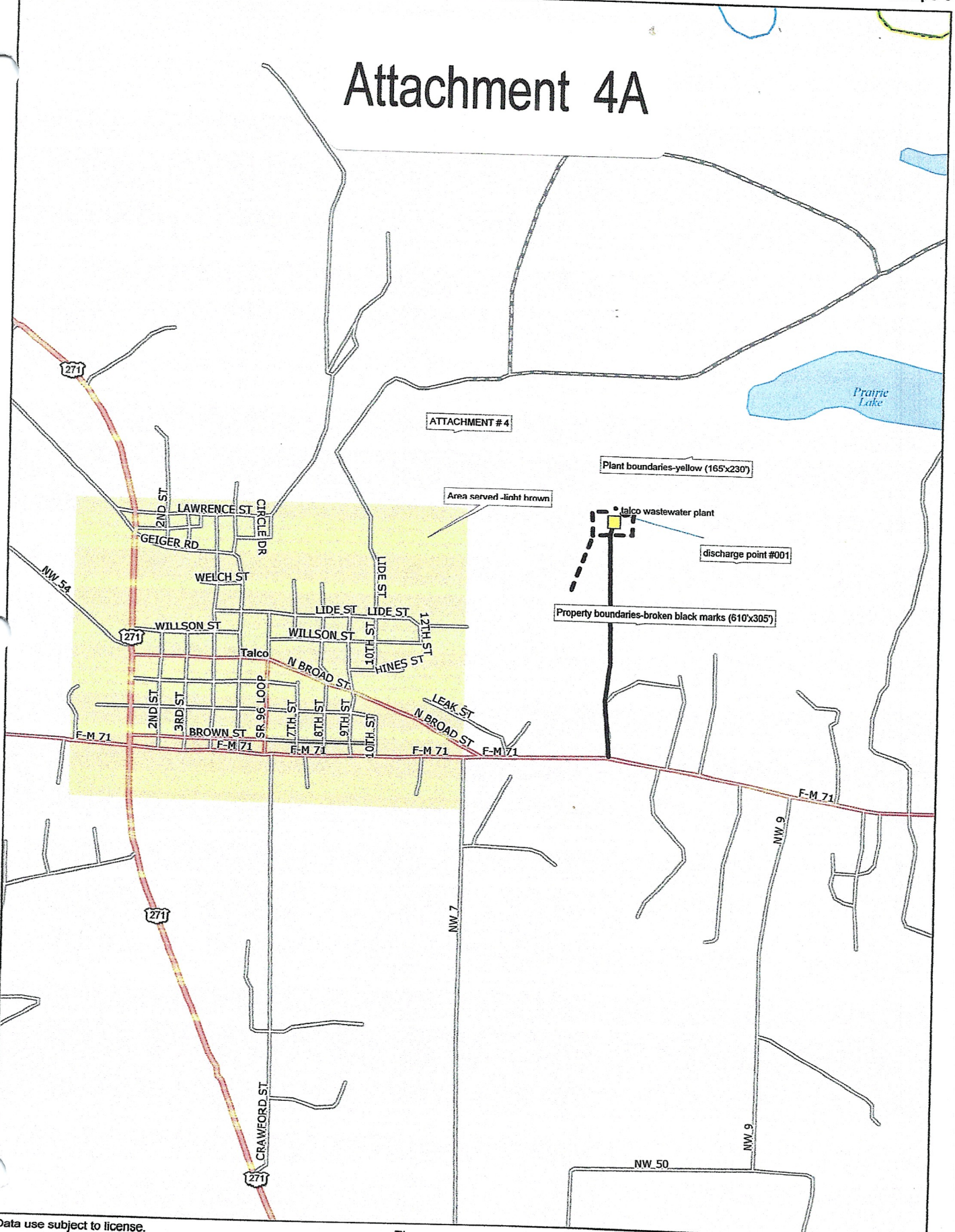
If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

Click to enter text.

DeLORME

XMap® 6

Attachment 4A



Data use subject to license.

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www.delorme.com

TN

MN (3.0°E)

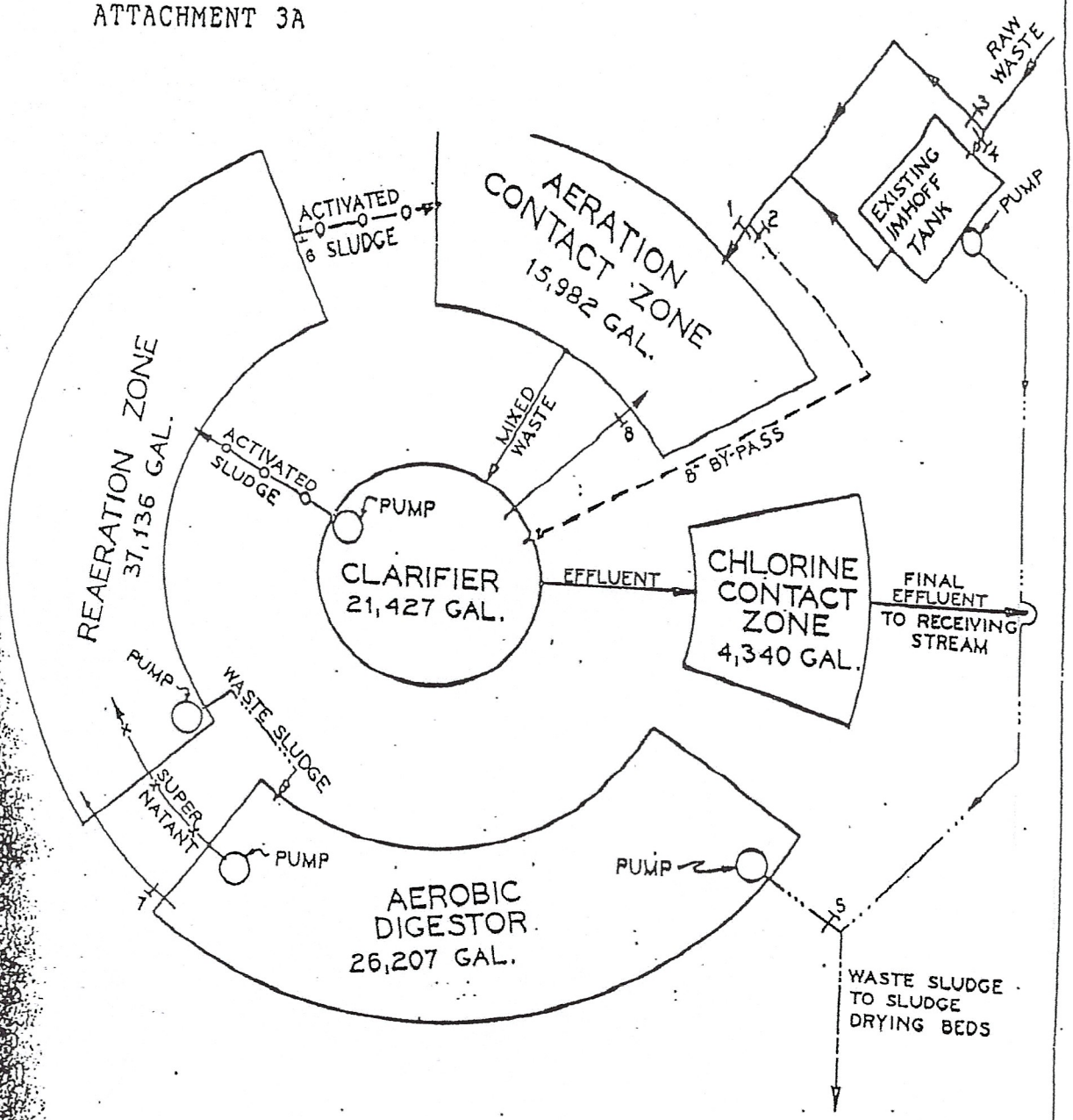
Scale 1 : 20,800

1" = 1,733.3 ft

Data Zoom 13-3

CONTACT STABILIZATION PLANT
FLOW DIAGRAM

ATTACHMENT 3A



DESIGN CRITERIA

LOW	125,000 GPD	= 0.473 MLD
FLOW	217 GPM	= 13.69 L/SEC.
AY BOD LOADING	212 LBS.	= 96.61 KG
RINE CONTACT ZONE	4,340 GAL.	= 16,426.9 L
IFIER OVERFLOW RATE	600 GAL./S.F.	= 2,271 L/SM
TAL AERATION VOLUME	79,325 GAL.	= 301,245.125 L

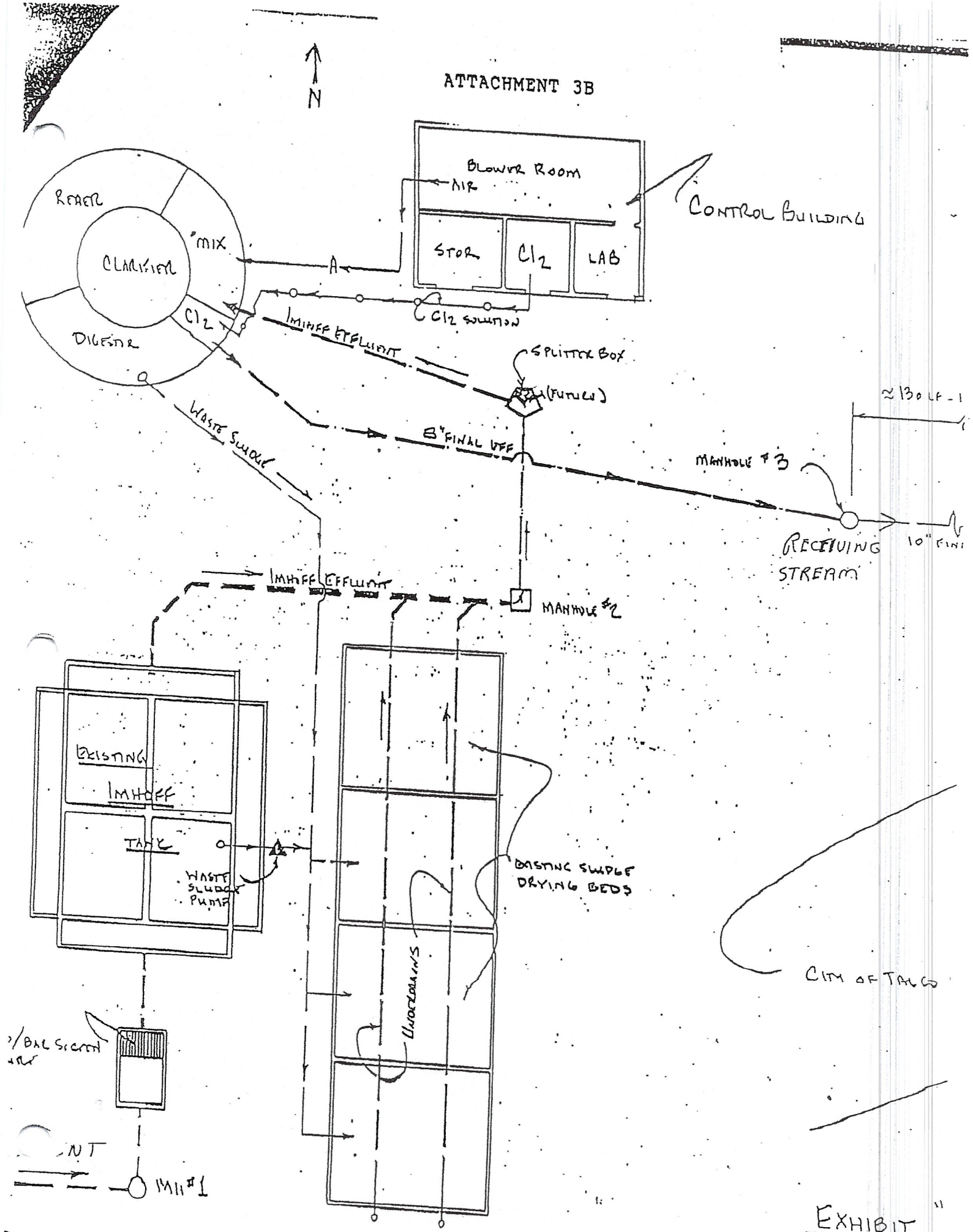
PLATE I

CITY OF TALCO, TEX.

SEWAGE TREATMENT FACILITIES

HAYTER ENGR. | PARIS, TEXAS

ATTACHMENT 3B

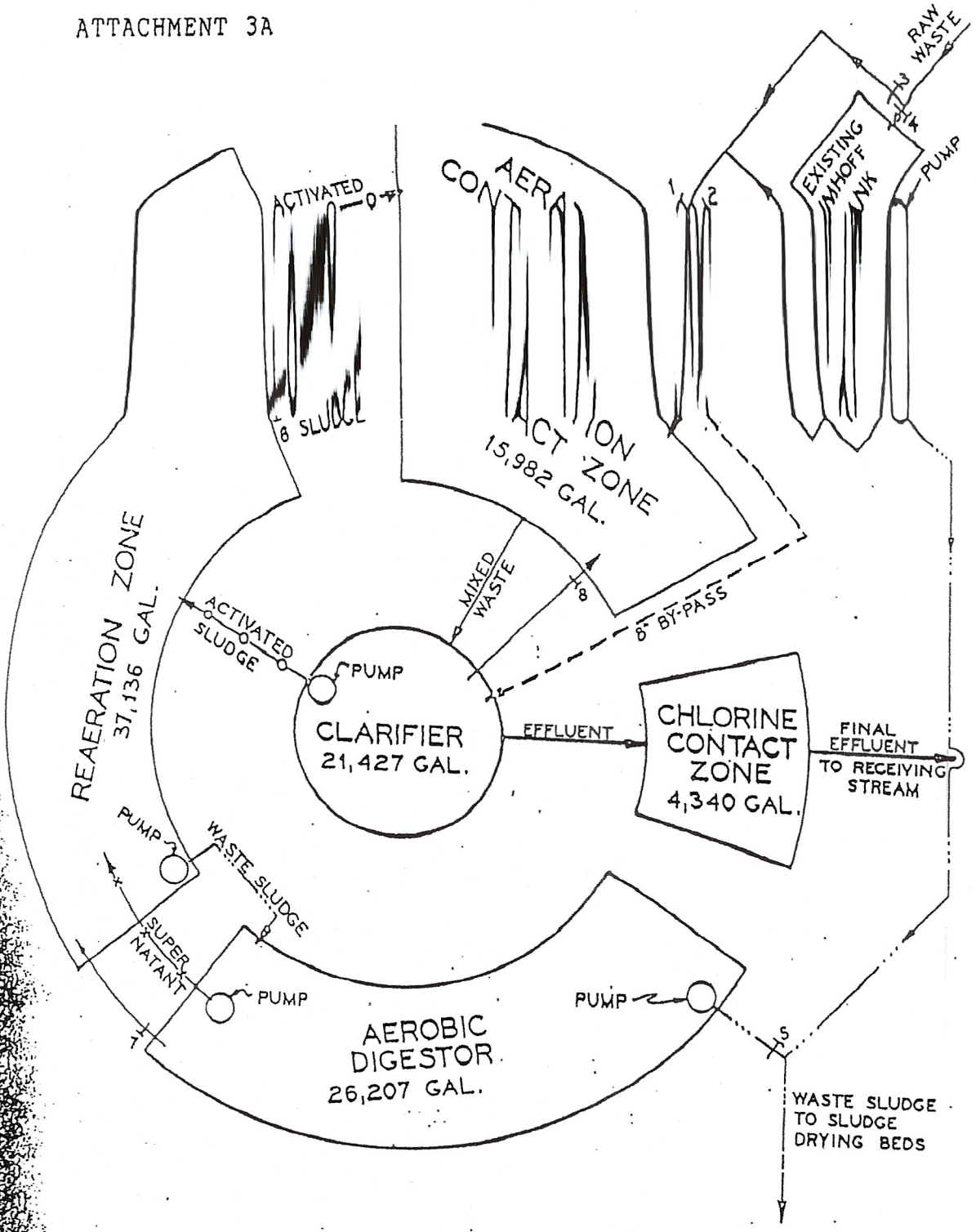


CITY OF TALCO PROP.

EXHIBIT "I"
FLOW DIAG
EXISTING

CONTACT STABILIZATION PLANT
FLOW DIAGRAM

ATTACHMENT 3A

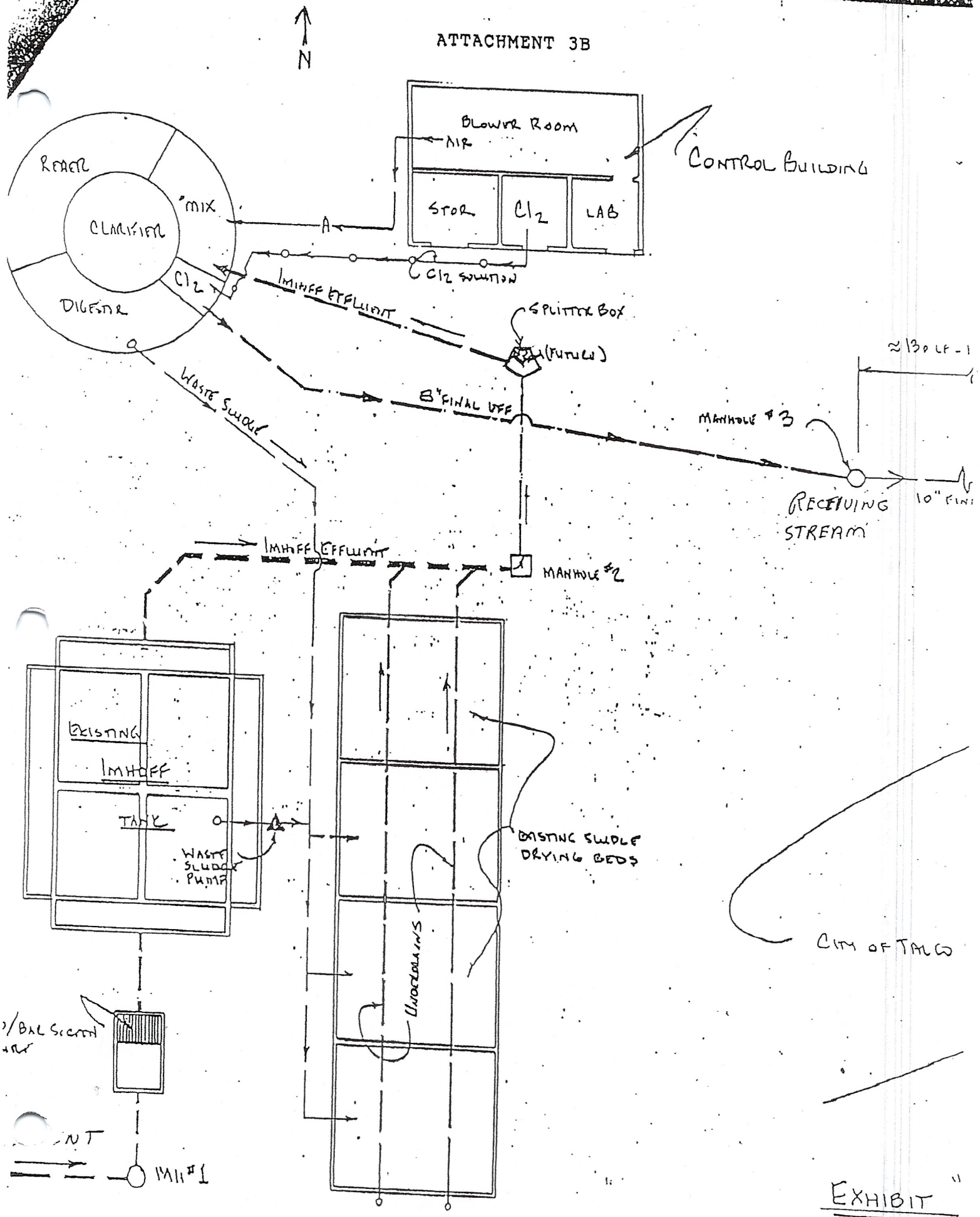


DESIGN CRITERIA

[illegible]FLOW	125,000 GPD	= 0.473 MLD
[illegible]FLOW	217 GPM	= 13.69 L/SEC.
DAY BOD LOADING	212 LBS.	= 96.61 KG
CHLORINE CONTACT ZONE	4,340 GAL.	= 16,426.9 L
CLARIFIER OVERFLOW RATE	600 GAL./S.F.	= 2,271 L/SM
TOTAL AERATION VOLUME	79,325 GAL.	= 301,245.125 L

PLATE I

ATTACHMENT 3B



EXHIBIT

FLOW DIAGR
EXISTING TREATMEN

CITY OF TALCO PROP.

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

SPL
The Science of Sure

Project
1163273

TAL1-A

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

Printed 10/08/2025
11:49

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

Survey: How are we doing?

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

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SAMPLE CROSS REFERENCE

Project
1163273

Printed 10/8/2025

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

Sample	Sample ID	Taken	Time	Received
2450121	*WW Permit*	09/25/2025	08:30:00	09/25/2025

Bottle 01 Polyethylene 1/2 gal (White), C
Bottle 02 Polyethylene 1/2 gal (White), C
Bottle 03 Polyethylene Quart, Q
Bottle 04 16 oz HNO3 Metals Plastic, Q
Bottle 05 H2SO4 to pH<2 Polyethylene 250 ml, C
Bottle 06 H2SO4 to pH <2 Glass Qt w/Teflon lined lid, Q
Bottle 07 H2SO4 to pH <2 Glass Qt w/Teflon lined lid, Q
Bottle 08 BOD Titration Beaker A (Batch 1197445) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 09 BOD Analytical Beaker B (Batch 1197445) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 10 Prepared Bottle: ICP Preparation for Metals (Batch 1197483) Volume: 50.00000 mL <== Derived from 04 (50 ml)
Bottle 11 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1197476) Volume: 6.00000 mL <== Derived from 05 (6 ml)
Bottle 12 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1197558) Volume: 20.00000 mL <== Derived from 05 (20 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1197530	09/25/2025	1197530	09/25/2025
EPA 200.7 4.4	10	1197483	09/26/2025	1197653	09/26/2025
SM 2320 B-2011	01	1199368	10/07/2025	1199368	10/07/2025
SM 5210 B-2016 (TCMP Inhibitor)	01	1197445	10/01/2025	1197445	10/01/2025
Client		1197395	09/25/2025	1197395	09/25/2025
SM 4500-O G-2016		1197361	09/25/2025	1197361	09/25/2025
EPA 1664B (HEM)	07	1198737	10/02/2025	1198737	10/02/2025
EPA 350.1 2	11	1197476	09/26/2025	1197998	09/30/2025
SM 2540 C-2020	03	1198523	10/01/2025	1198523	10/01/2025
EPA 351.2 2	12	1197558	09/26/2025	1197805	09/29/2025
SM 2540 D-2020	01	1198489	10/01/2025	1198489	10/01/2025
SM 4500-H+ B-2011		1197363	09/25/2025	1197363	09/25/2025

Email: Kilgore.ProjectManagement@spllabs.com

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24 Waterway Avenue, Suite 375 The Woodlands, TX 77380
Office: 903-984-0551 * Fax: 903-984-5914

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TAL1-A

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

Project
1163273

Printed: 10/08/2025

RESULTS

Sample Results

2450121 **WW Permit**

Non-Potable Water | Collected by: Client | City of TalcoWater&S | Received: 09/25/2025
Taken: 09/25/2025 08:30:00 | PO:

Client — Prepared: 1197395 09/25/2025 08:25:00 | Analyzed: 1197395 09/25/2025 08:25:00 | CLI

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
z	Cl2 Res(Total)Analyzed by client	3.53	1.00	mg/L				

EPA 1664B (HEM) — Prepared: 1198737 10/02/2025 07:40:00 | Analyzed: 1198737 10/02/2025 07:40:00 | MAX

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Oil and Grease (HEM)	<4.21	1.05	mg/L	4.21			07

EPA 200.7 4.4 — Prepared: 1197483 09/26/2025 08:00:00 | Analyzed: 1197653 09/26/2025 13:29:00 | MP1

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Phosphorus	4.13	1.00	mg/L	0.040		7723-14-0	10

EPA 300.0 2.1 — Prepared: 1197530 09/25/2025 22:08:00 | Analyzed: 1197530 09/25/2025 22:08:00 | KRA

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Chloride	<3.00	10.00	mg/L	3.00			01
NELAC	Nitrate-Nitrogen Total	2.59	10.00	mg/L	0.226		14797-55-8	01
NELAC	Sulfate	23.2	10.00	mg/L	3.00			01

EPA 350.1 2 — Prepared: 1197476 09/26/2025 08:10:33 | Analyzed: 1197776 09/30/2025 10:00:00 | MEG

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Ammonia Nitrogen	<0.020	1.00	mg/L	0.020			11

EPA 351.2 2 — Prepared: 1197558 09/26/2025 12:05:03 | Analyzed: 1197805 09/29/2025 08:56:00 | AMB

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Total Kjeldahl Nitrogen	14.3	2.00	mg/L	0.100		7727-37-9	12

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

SPL
The Science of Sure

TAL1-A

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

Project
1163273

Printed: 10/08/2025

2450121 **WW Permit**

Non-Potable Water | Collected by: Client | Taken: 09/25/2025 | City of TalcoWater&S 08:30:00 | PO: | Received: 09/25/2025

SM 2320 B-2011 — Prepared: 1199368 10/07/2025 08:09:00 — Analyzed 1199368 10/07/2025 08:09:00 — TRC

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Total Alkalinity (as CaCO3)	345	1.00	mg/L	1.00	P		01

SM 2540 C-2020 — Prepared: 1198523 10/01/2025 09:45:00 — Analyzed 1198523 10/01/2025 09:45:00 — JMB

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Total Dissolved Solids	510	10.00	mg/L	50.0			03

SM 2540 D-2020 — Prepared: 1198489 10/01/2025 08:47:00 — Analyzed 1198489 10/01/2025 08:47:00 — LSM

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Total Suspended Solids	<2.00	1.00	mg/L	2.00			01

SM 4500-H+ B-2011 — Prepared: 1197363 09/25/2025 08:35:00 — Analyzed 1197363 09/25/2025 08:35:00 — CLI

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
z	pH Client Provided	7.0	1.00	SU	0			

SM 4500-O G-2016 — Prepared: 1197361 09/25/2025 08:25:00 — Analyzed 1197361 09/25/2025 08:25:00 — CLI

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen by Client	4.9	1.00	mg/L	1			

SM 5210 B-2016 (TCMP Inhibitor) — Prepared: 1197445 09/26/2025 — Analyzed 1197445 10/01/2025 11:31:45 — ESN

	Parameter	Results	DF	Units	RL	Flags	CAS	Bottle
NELAC	BOD Carbonaceous	<2.00	4.00	mg/L	2.00			01

Sample Preparation

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

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TAL1-A

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

Project
1163273

Printed: 10/08/2025

2450121 **WW Permit**

Received: 09/25/2025

09/25/2025

			Prepared:		09/25/2025	15:35:17	Calculated		09/25/2025	15:35:17	CAL
z	**Enviro Fee (per Sampling Group)**	**Verified**									
	EPA 1664B (HEM)		Prepared:	1198491	10/02/2025	07:40:00	Analyzed	1198491	10/02/2025	07:40:00	MAX
NELAC	**O&G HEM Started**	**Started**									
	EPA 200.2 2.8		Prepared:	1197483	09/26/2025	08:00:00	Analyzed	1197483	09/26/2025	08:00:00	MP1
z	**Liquid Metals Digestion**	**50/50**	**ml**								04
	EPA 350.1, Rev. 2.0		Prepared:	1197476	09/26/2025	08:10:33	Analyzed	1197476	09/26/2025	08:10:33	CMS
NELAC	**Ammonia Distillation**	**6/6**	**ml**								05
	EPA 351.2, Rev 2.0		Prepared:	1197558	09/26/2025	12:05:03	Analyzed	1197558	09/26/2025	12:05:03	AMB
NELAC	**TKN Block Digestion**	**20/20**	**ml**								05
	SM 2540 C-2015		Prepared:	1198147	10/01/2025	09:45:00	Analyzed	1198147	10/01/2025	09:45:00	JMB
NELAC	**Total Dissolved Solids Started**	**Started**									
	SM 2540 D-2011		Prepared:	1197484	10/01/2025	08:47:00	Analyzed	1197484	10/01/2025	08:47:00	LSM
NELAC	**TSS Set Started**	**Started**									

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Received: 09/25/2025

09/25/2025

SM 5210 B-2016 (TCMP Inhibitor)	*Prepared:*	*1197445*	*09/26/2025*	*Analyzed*	*1197445*	*09/26/2025*	*06:42:26*	*ESN*
NELAC **BODc Set Started**	**Started**						

Qualifiers:

P - Spike recovery outside control limits due to matrix effects.

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

Bill Peery, MS, Senior Director, Environmental Technology

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Analytical Set 1197445

SM 5210 B-2016 (TCMP Inhibitor)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1197445	0.03	0.200	0.500	mg/L	128122188
BOD Carbonaceous	1197445	-0.1	0.200	0.500	mg/L	128122238
BOD Carbonaceous	1197445	0.01	0.200	0.500	mg/L	128122290

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
BOD Carbonaceous	2449954	50.1	42.6	mg/L	16.2		30.0
BOD Carbonaceous	2450011	ND	2.00	mg/L	200	*	30.0
BOD Carbonaceous	2450080	ND	ND	mg/L			30.0
BOD Carbonaceous	2450129	4.49	5.09	mg/L	12.5		30.0
BOD Carbonaceous	2450239	4.45	3.81	mg/L	15.5		30.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1197445	0.460	0.200	0.500	mg/L	128122190
BOD Carbonaceous	1197445	0.617	0.200	0.500	mg/L	128122240
BOD Carbonaceous	1197445	0.527	0.200	0.500	mg/L	128122292

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
BOD Carbonaceous		212	198	mg/L	107	83.7 - 116	128122191
BOD Carbonaceous		179	198	mg/L	90.4	83.7 - 116	128122241
BOD Carbonaceous		186	198	mg/L	93.9	83.7 - 116	128122293

Analytical Set 1197805

EPA 351.2 2

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	0.050	0.050	mg/L	100	75.0 - 125	128132185
Total Kjeldahl Nitrogen	0.050	0.050	mg/L	100	75.0 - 125	128132153

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1197558	ND	0.00712	0.050	mg/L	128132149

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1197558	ND	0.00712	0.050	mg/L	128132148
Total Kjeldahl Nitrogen	1197558	ND	0.00712	0.050	mg/L	128132154
Total Kjeldahl Nitrogen	1197558	ND	0.00712	0.050	mg/L	128132166
Total Kjeldahl Nitrogen	1197558	ND	0.00712	0.050	mg/L	128132176

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.33	5.00	mg/L	107	90.0 - 110	128132147
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	128132151

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CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.36	5.00	mg/L	107	90.0 - 110	128132162
Total Kjeldahl Nitrogen	5.36	5.00	mg/L	107	90.0 - 110	128132172
Total Kjeldahl Nitrogen	5.38	5.00	mg/L	108	90.0 - 110	128132182
Total Kjeldahl Nitrogen	5.37	5.00	mg/L	107	90.0 - 110	128132193
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110	128132202
Total Kjeldahl Nitrogen	5.43	5.00	mg/L	109	90.0 - 110	128132210
Total Kjeldahl Nitrogen	5.40	5.00	mg/L	108	90.0 - 110	128132215

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Kjeldahl Nitrogen	2449715	3.50	3.39	mg/L	3.19	20.0
Total Kjeldahl Nitrogen	2449991	1.09	1.10	mg/L	0.913	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.33	5.00	mg/L	107	90.0 - 110	128132146

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1197558	5.04	5.08	5.00	90.0 - 110	101	102	mg/L	0.791	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Kjeldahl Nitrogen	2449715	7.61	3.39	5.00	mg/L	84.4	80.0 - 120	128132157	
Total Kjeldahl Nitrogen	2449991	3.88	1.10	5.00	mg/L	55.6	80.0 - 120	128132160	*

Analytical Set 1197998

EPA 350.1 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Ammonia Nitrogen	1197476	ND	0.00336	0.020	mg/L	128137597

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.02	2.00	mg/L	101	90.0 - 110	128137552
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	128137556
Ammonia Nitrogen	1.96	2.00	mg/L	98.0	90.0 - 110	128137567
Ammonia Nitrogen	1.97	2.00	mg/L	98.5	90.0 - 110	128137578
Ammonia Nitrogen	1.93	2.00	mg/L	96.5	90.0 - 110	128137589
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	128137595
Ammonia Nitrogen	2.00	2.00	mg/L	100	90.0 - 110	128137604
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	128137615
Ammonia Nitrogen	1.95	2.00	mg/L	97.5	90.0 - 110	128137626
Ammonia Nitrogen	1.88	2.00	mg/L	94.0	90.0 - 110	128137630

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2450126	14.2	14.1	mg/L	0.707	20.0

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Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2450129	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.19	2.00	mg/L	110	90.0 - 110	128137551

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1197476	2.06	2.10	2.00	90.0 - 110	103	105	mg/L	1.92	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Ammonia Nitrogen	2450126	15.1	14.1	2.00	mg/L	50.0	80.0 - 120	128137602	
Ammonia Nitrogen	2450129	2.06	ND	2.00	mg/L	103	80.0 - 120	128137606	*

Analytical Set 1198489

SM 2540 D-2020

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1198489	ND	2	2	mg/L	128150057

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1198489	0			grams	128150056

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2450081	119	135	mg/L	12.6	20.0
Total Suspended Solids	2450101	15.6	15.6	mg/L	0	20.0
Total Suspended Solids	2450781	4.00	3.60	mg/L	10.5	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1198489	49.0	50.0	mg/L	98.0	90.0 - 110	128150090

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		98.0	100	mg/L	98.0	90.0 - 110	128150089

Analytical Set 1198523

SM 2540 C-2020

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1198523	ND	5.00	5.00	mg/L	128150657

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1198523	-0.0001			grams	128150644

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Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2450063	660	620	mg/L	6.25	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	1198523	200	200	mg/L	100	85.0 - 115	128150645

Analytical Set 1198737

EPA 1664B (HEM)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1198737	1.40	0.804	4.00	mg/L	128155981

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1198737	0.0005			grams	128155980
Oil and Grease (HEM)	1198737	0.0003			grams	128156005

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Oil and Grease (HEM)	1198737	37.8	40.0	mg/L	94.5	78.0 - 114	128155982

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	2450059	37.6	0	2.56	40.0	78.0 - 114	94.0		mg/L		20.0

Analytical Set 1197530

EPA 300.0 2.1

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nitrate-Nitrogen Total	0.025	0.0226	mg/L	111	70.0 - 130	128125893

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1197530	0.073	0.0213	0.300	mg/L	128125894
Nitrate-Nitrogen Total	1197530	ND	0.00655	0.0226	mg/L	128125894
Sulfate	1197530	ND	0.283	0.300	mg/L	128125894

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1197530	0.0613	0.0213	0.300	mg/L	128125890
Chloride	1197530	0.0683	0.0213	0.300	mg/L	128125910
Chloride	1197530	0.060	0.0213	0.300	mg/L	128125922
Nitrate-Nitrogen Total	1197530	0	0.00655	0.0226	mg/L	128125890
Nitrate-Nitrogen Total	1197530	0	0.00655	0.0226	mg/L	128125910
Nitrate-Nitrogen Total	1197530	0	0.00655	0.0226	mg/L	128125922
Sulfate	1197530	0	0.283	0.300	mg/L	128125890
Sulfate	1197530	0	0.283	0.300	mg/L	128125910
Sulfate	1197530	0	0.283	0.300	mg/L	128125922

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Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.6	10.0	mg/L	106	90.0 - 110	128125889
Chloride	10.0	10.0	mg/L	100	90.0 - 110	128125909
Chloride	10.1	10.0	mg/L	101	90.0 - 110	128125921
Nitrate-Nitrogen Total	2.37	2.26	mg/L	105	90.0 - 110	128125889
Nitrate-Nitrogen Total	2.20	2.26	mg/L	97.3	90.0 - 110	128125909
Nitrate-Nitrogen Total	2.21	2.26	mg/L	97.8	90.0 - 110	128125921
Sulfate	9.51	10.0	mg/L	95.1	90.0 - 110	128125889
Sulfate	9.58	10.0	mg/L	95.8	90.0 - 110	128125909
Sulfate	9.56	10.0	mg/L	95.6	90.0 - 110	128125921

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1197530	5.22	5.24	5.00	85.0 - 115	104	105	mg/L	0.382	20.0
Nitrate-Nitrogen Total	1197530	1.18	1.18	1.13	86.3 - 117	104	104	mg/L	0	20.0
Sulfate	1197530	4.52	4.51	5.00	85.4 - 124	90.4	90.2	mg/L	0.221	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2449135	1500	1440	1180	200	80.0 - 120	160 *	130 *	mg/L	20.7 *	20.0
Nitrate-Nitrogen Total	2449135	45.7	46.3	ND	45.2	80.0 - 120	101	102	mg/L	1.30	20.0
Sulfate	2449135	1470	1400	1150	200	80.0 - 120	160 *	125 *	mg/L	24.6 *	20.0
Chloride	2449136	1160	1110	960	200	80.0 - 120	100	75.0 *	mg/L	28.6 *	20.0
Nitrate-Nitrogen Total	2449136	48.0	47.0	2.03	45.2	80.0 - 120	102	99.5	mg/L	2.20	20.0
Sulfate	2449136	1260	1220	1020	200	80.0 - 120	120	100	mg/L	18.2	20.0

Analytical Set 1197653

EPA 200.7 4.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phosphorus	1197483	ND	0.0353	0.040	mg/L	128128167

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	0.972	1.00	mg/L	97.2	90.0 - 110	128128138
Phosphorus	0.983	1.00	mg/L	98.3	90.0 - 110	128128148
Phosphorus	1.00	1.00	mg/L	100	90.0 - 110	128128158
Phosphorus	0.969	1.00	mg/L	96.9	90.0 - 110	128128166
Phosphorus	1.01	1.00	mg/L	101	90.0 - 110	128128175

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	24.6	25.0	mg/L	98.4	95.0 - 105	128128136

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	1.05	1.00	mg/L	105	90.0 - 110	128128137

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LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phosphorus	1197483	4.11	4.15	4.00	85.0 - 115	103	104	mg/L	0.969	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2450237	4.61	4.66	0.553	4.00	75.0 - 125	101	103	mg/L	1.22	25.0

Analytical Set 1199368

SM 2320 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Alkalinity (as CaCO3)	1199368	ND	1.00	1.00	mg/L	128173658
Total Alkalinity (as CaCO3)	1199368	ND	1.00	1.00	mg/L	128173685
Total Alkalinity (as CaCO3)	1199368	ND	1.00	1.00	mg/L	128173712

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	26.3	25.0	mg/L	105	90.0 - 110	128173657
Total Alkalinity (as CaCO3)	25.8	25.0	mg/L	103	90.0 - 110	128173671
Total Alkalinity (as CaCO3)	25.7	25.0	mg/L	103	90.0 - 110	128173684
Total Alkalinity (as CaCO3)	25.7	25.0	mg/L	103	90.0 - 110	128173698
Total Alkalinity (as CaCO3)	25.7	25.0	mg/L	103	90.0 - 110	128173711
Total Alkalinity (as CaCO3)	25.9	25.0	mg/L	104	90.0 - 110	128173719

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Alkalinity (as CaCO3)	2450121	359	345	mg/L	3.98	20.0
Total Alkalinity (as CaCO3)	2450914	268	259	mg/L	3.42	20.0
Total Alkalinity (as CaCO3)	2451414	82.9	84.7	mg/L	2.15	20.0
Total Alkalinity (as CaCO3)	2452098	50.4	49.7	mg/L	1.40	20.0
Total Alkalinity (as CaCO3)	2452533	257	239	mg/L	7.26	20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Alkalinity (as CaCO3)	27.5	25.0	mg/L	110	90.0 - 110	128173656

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File	
Total Alkalinity (as CaCO3)	2450121	394	345	25.0	mg/L	196	70.0 - 130	128173661	*
Total Alkalinity (as CaCO3)	2450914	278	259	25.0	mg/L	76.0	70.0 - 130	128173674	
Total Alkalinity (as CaCO3)	2451414	110	84.7	25.0	mg/L	101	70.0 - 130	128173688	
Total Alkalinity (as CaCO3)	2452098	74.2	49.7	25.0	mg/L	98.0	70.0 - 130	128173701	

* Out RPD is Relative Percent Difference: abs(r1-r2) / mean(r1,r2) * 100%

Recover% is Recovery Percent: result / known * 100%

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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); CCB - Continuing Calibration Blank; CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve); MSD - Matrix Spike Duplicate (replicate of the matrix spike; same solution and amount of target analyte added to the MS is added to a third aliquot of sample; quantifies matrix bias and precision.); LCS Dup - Laboratory Control Sample Duplicate (replicate LCS; analyzed when there is insufficient sample for duplicate or MSD; quantifies accuracy and precision.); AWRL/LOQ C - Ambient Water Reporting Limit/LOQ Check Std; ICV - Initial Calibration Verification; LCS - Laboratory Control Sample (reagent water or other blank matrices that is spiked with a known quantity of target analyte(s) and carried through preparation and analytical procedures exactly like a sample; typically a mid-range concentration; verifies that bias and precision of the analytical process are within control limits; determines usability of the data.); MS -Matrix Spike (same solution and amount of target analyte added to the LCS is added to a second aliquot of sample; quantifies matrix bias.)

1163273 CoC Print Group 001 of 001

3600 Dudley Rd. Kilgore, Texas 75662
Office: 903.984.0551 * Fax: 903.984.5914

SPL
The Science of Sure

CHAIN OF CUSTODY

Printed 09/24/2025 Page 1 of 3

City of TalcoWater&Sewer Dept
Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

TAL1-A
113

Lab Number 2450121
PO Number
Phone 903.379-3731

WW Permit

☐ Hold Unless Notified by Client to Report on 1 All

Matrix: Non-Potable Water

Sample Collection Start

Date: 9-25-25 Time: 0830

Sampler Printed Name: Robert R. Harris

Sampler Affiliation: City of Talco

Sampler Signature:

Samples Radioactive? ☐ Samples Contains Dioxin? ☐ Samples Biological Hazard? ☐

1 On Site Testing

Cl2c Cl2 Res(Total)Analyzed by client Client

Cl2 Res(Total)Analyzed by client

Collected By RRH Date 9-25-25 Time 08:25 Analyzed By RRH Date 9-25-25 Time 09:25

Results 3.53 Units _____ Temp. 24.3 C Duplicate 3.55 Units _____ Temp. 24.3 C

R1 3.53 R2 _____ QC R1 _____ QC R2 _____

NCAC Short Hold DOCl Dissolved Oxygen by Client SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen by Client

Collected By RRH Date 9-25-25 Time ~~08:45 RRH 9-25-25~~ 08:25 Analyzed By RRH Date 9-25-25 Time 08:25

Results 4.9(W) Units _____ Temp. 24.3 C Duplicate 4.8(W) Units _____ Temp. 24.3 C

pHCl pH Client Provided SM 4500-H+ B-2011

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Printed 09/24/2025 Page 2 of 3

City of TalcoWater&Sewer Dept
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Talco, TX 75487

TAL1-A
113

pH Client Provided

Collected By RRA Date 9-25-25 Time 08:35 Analyzed By RRA Date 9-25-25 Time 08:35

Results 7.0 Units _____ Temp. 24.3 C Duplicate 7.0 Units _____ Temp. 24.3 C

2	H2SO4 to pH <2 GlQt w/Tef-lined lid, Q		
	HEM	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)
1	Polyethylene 1/2 gal (White), Q		
Short Hold	BODc	BOD Carbonaceous	SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)
	TSS	Total Suspended Solids	SM 2540 D-2020 (7.00 days)
1	HNO3 to pH <2 Polyethylene 500 mL for Metals, Q		
	*PI	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (28.0 days)
	3011	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
1	H2SO4 to pH <2 250 ml Polyethylene, Q		
	NHaN	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
	TKN	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
1	Polyethylene Quart, Q		
	!CIL	Chloride	EPA 300.0 2.1 (28.0 days)
Short Hold	!N3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
	!S4L	Sulfate	EPA 300.0 2.1 (28.0 days)
	AlkT	Total Alkalinity (as CaCO3)	SM 2320 B-2011 (14.0 days)
	TDS	Total Dissolved Solids	SM 2540 C-2020 (7.00 days)

Ambient Conditions/Comments

1163273 CoC Print Group 001 of 001

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Printed 09/24/2025 Page 3 of 3

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Randy Carroll
P O Box 365
400 W. Broad
Talco, TX 75487

TAL1-A
113

Date	Time	Relinquished	Received
		Printed Name / Affiliation: ROBERT R. Haw / City of Talco	Printed Name / Affiliation: Chad Royal - SPL, Inc.
9-25-25	1040	Signature:	Signature:
		Printed Name / Affiliation: Chad Royal - SPL, Inc.	Printed Name / Affiliation: Ashley Vasquez - SPL, Inc.
92525	1334	Signature:	Signature:
		Printed Name / Affiliation	Printed Name / Affiliation
		Signature	Signature
		Printed Name / Affiliation	Printed Name / Affiliation
		Signature	Signature

Sample Received on Ice? [X] Yes [ ] No
Cooler/Sample Secure? [X] Yes [ ] No

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A = A2LA, N = NELAC, or # = not listed under scope of accreditation. Unless otherwise specified, SPL shall perform the analytical services pursuant to our Standard Terms & Conditions Agreement. SPL personnel collect samples as specified by SPL SOP #000371.

Comments

COOLER CHECKIN

Region/Driver/Client	CJR
Date / Time:	9/25/25 / 1334
Cooler:	of
Shipping Company:	SPL

Temp Label:

9/25 1334 AW
Date Time Tech
Temp: 0.4 0.3 C
Therm#: 7735 Corr Fact: -0.1 C

SECTION III
Plant Type

A. General:

The sewage treatment plant is of the aerobic process design using the contact stabilization method of treatment. The plant has been carefully designed to meet the requirements of all state and federal regulatory agency standards. The plant daily operation has been made as simple as possible, and equipment incorporated in the plant has been done so with an eye to minimizing maintenance requirements.

The treatment process uses compressed air diffused into the sewage to promote and maintain a growth of aerobic bacteria using the oxygen that is mechanically made available. The particular type of bacteria that uses oxygen to reduce the organic matter in the sewage does so without producing hydrogen sulphide gas, which is the odor produced by non aerated processes. Therefore, it is extremely important that a continuous adequate supply of air is furnished to produce good treatment and prevent nuances.

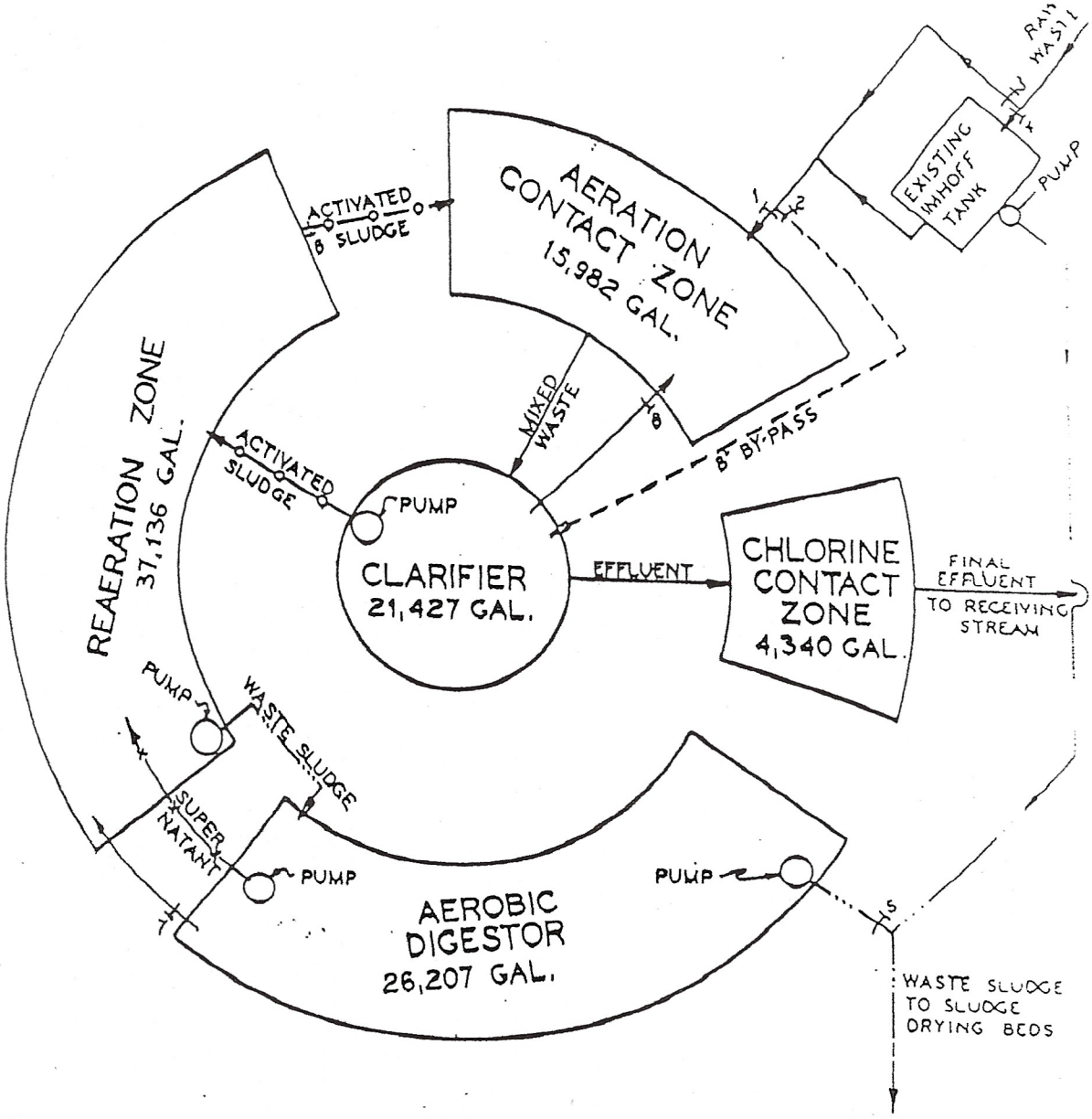
The process is completely dependent upon nature with provisions to provide ideal working conditions for the bacteria, which are found in the waste. Similar bacteria are found in streams and rivers performing the same job. They are hardy workers; however, care should be taken to insure that these organisms work at their peak efficiency and are not deprived of their air requirements or poisoned by unusual chemicals that may be washed into the sewer by industry.

Your sewage treatment plant operates at a much higher rate than this bacteria does in nature, permitting the work to be performed faster and more completely. The organic matter in sewage provides food for their growth and reproduction. In return they remove the pollutants and provide a water suitable for discharge into the receiving stream after it has been chlorinated.

B. Principal Units:

The waste water reclamation plant is composed of the following principal units and as shown on Plate I.

CONTACT STABILIZATION PLANT
FLOW DIAGRAM



DESIGN CRITERIA

AVG. FLOW	125,000 GPD	= 0.473 MLD
MAX. FLOW	217 GPM	= 13.69 L/SEC.
5 DAY BOD LOADING	212 LBS.	= 96.61 KG
CHLORINE CONTACT ZONE	4,340 GAL.	= 16,426.9 L
CLARIFIER OVERFLOW RATE	600 GAL./S.F.	= 2,271 L/SM
TOTAL AERATION VOLUME	79,325 GAL.	= 301,245.125 L

ATTACHMENT 2B

PLATE I

CITY OF TALCO, TEX.

SEWAGE TREATMENT FACILITIES

HAYTER ENGR. PARIS, TEXAS

Existing Imhoff Tank; contact stabilization unit which is composed of the aeration contact zone, clarifier zone, reaeration zone, aerobic digester and manual bar screen; air compressors, sludge drying beds and Imhoff sludge pump.

The incoming raw sewage to the facility may be routed through the existing Imhoff tank, or around the existing Imhoff tank, to the contact stabilization unit. It may not be by-passed directly to the receiving stream. Waste water entering the contact stabilization unit is routed through the aeration zone, clarifier zone, chlorine contact chamber zone, and discharged to the receiving stream. In the event it is necessary to by-pass the aeration contact zone, the waste water entering the stabilization unit may be by-passed directly to the clarifier, thence to the chlorine contact chamber.

C. Working Unit's Function:

1. The existing Imhoff tank has been incorporated into the design of the new facility whereby it may continue in service as a primary sedimentation unit with anaerobic digestion and the effluent from the Imhoff tank then flowing to the contact stabilization unit. By utilizing this existing facility so long as is practical the organic loading on the contact stabilization unit will be reduced resulting in a significant power savings to the city, since the compressed air required by the stabilization unit would be reduced.

2. Stabilization Units: (a) Aeration Contact Zone - a compartment where the incoming waste water and the bacteria (activated sludge) from previously treated sewage are mixed together.

b) Clarifier - a compartment where the activated sludge after being mixed with the incoming sewage, is held and the sludge allowed to settle to the bottom of the clarifier. The effluent, from which the pollutants have been removed, is allowed to overflow from the clarifier to the chlorine contact chamber.

c) Reaeration Zone - a compartment to hold the activated sludge while the bacteria consumes the organic matter removed from the waste and condition the sludge for return to the aeration contact zone.

d) Aerobic Digester - a compartment to hold and digest all of the excessive activated sludge transferred from the reaeration zone.

e) Chlorine Contact Zone - a compartment to receive and hold the clear water discharged from the clarifier while chlorine is added prior to the discharge of the water to the receiving stream.

f) Bar Screen - a coarse screen of steel bars at the entrance to the stabilization unit to remove large trash from the waste as it enters this unit. This trash is mostly inorganic and does not require treatment in the plant, but rather is buried on the plant site.

g) Air Lift Pumps - are simple inductor tubes operated by diffused air. Five are furnished as follows - to pump activated sludge from the bottom of the clarifier to the reaeration compartment, (2) to pump surplus activated sludge from the reaeration compartment to the digester, (3) to pump waste sludge from the digester to the sludge drying beds, (4) to pump surplus supernatant liquor from the digester to the reaeration compartment for further treatment, and (5) to pump the scum from the surface of the clarifier to the digester.

h) Air Diffusers - are located in the bottom of the aeration compartments of the stabilization unit to diffuse compressed air into the contents of these various compartments. Diffusers are complete with pipe and individual control valves.

i) Sludge and Scum Collector - is located in the clarifier and collects the sludge at the bottom of the clarifier and the floating scum on the water surface of the clarifier. The equipment is complete with electric motor, worm gear speed reducers and fabricated steel arms to collect this material.

3. Chlorinator - a metering device to add chlorine gas to the plant effluent for sterilization purposes. The device is designed to operate on 150 lbs. cylinders.

4. Blowers - the electrical powered air compressors provide the compressed air for the stabilization process.

5. Sludge Drying Beds - where waste anaerobic sludge from the Imhoff tank and aerobic sludge from the stabilization unit are drawn and allowed to air dry prior to their manual removal and disposal at an approved landfill.

C. Process Description:

A very small percentage of the waste water is organic and capable of presenting a pollution problem. The water is used to carry the pollutants away from our homes and communities and conduct it to the treatment plant. The

purpose of the treatment plant is to strip the water of these pollutants, hold and treat the pollutants, and discharge the water to a receiving stream for reuse. Since the water is the large volume part of the waste the faster that the pollution is removed, the smaller the treatment plant can be. The contact stabilization process performs the task with an average flow through time of approximately six hours. The total plant flow through time, including the Imhoff tank, is approximately seven hours.

Plate I, page 7, and Plate II - Diagram 1, page 11, is the location of the stabilization unit compartment.

The total waste enters the treatment facility through the Imhoff tank where the settleable solids in the waste water are allowed to settle to the bottom of the tank. These solids are decomposed by anaerobic bacteria which will produce slight odors and periodically wasted to the sludge drying beds through the mechanical pump provided. The settled waste water leaves the Imhoff tank and enters the aeration contact zone of the stabilization unit where it is mixed with activated sludge (bacteria). During the mixing period the activated sludge absorbs the pollutant material, the mixture then enters the clarifier where the activated sludge containing the pollutant material is settled out and the clear water overflows to the chlorine contact chamber where chlorine is introduced for sterilization purposes. The waste water flow routing is shown in Plate II, Diagram 2.

The rest of the plant is used to recondition the activated sludge and to treat the pollutants so that they are no longer a nuisance or a danger to public health.

Plate II, Diagram 3, shows the route that the activated sludge takes in the treatment processes. The sludge that is settled to the bottom of the clarifier is collected at the center bottom (with the sludge collector mechanism) and is pumped by an air lift to the reaeration zone. In this compartment the pollutant material is consumed by the activated sludge (bacteria) which in turn grows and produce more activated sludge. The bacteria is now strengthened and hungry and are reintroduced to the aeration contact zone by gravity flow. The day to day growth of the bacteria produces more activated sludge than is required and eventually some of this activated sludge must be wasted to the aerobic digester.

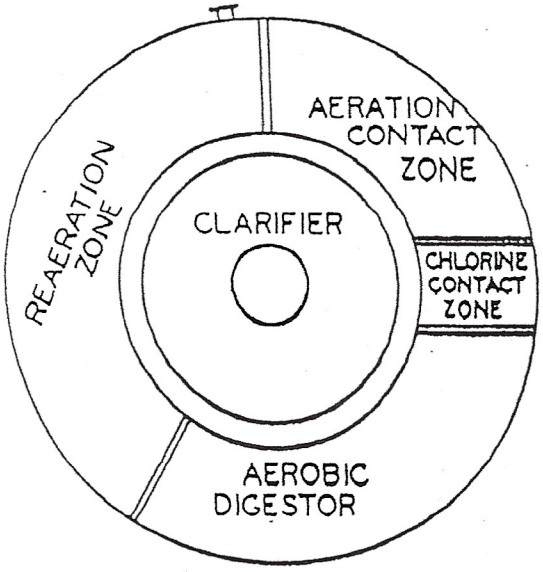


DIAGRAM 1
STABILIZATION UNIT
COMPARTMENT LOCATION

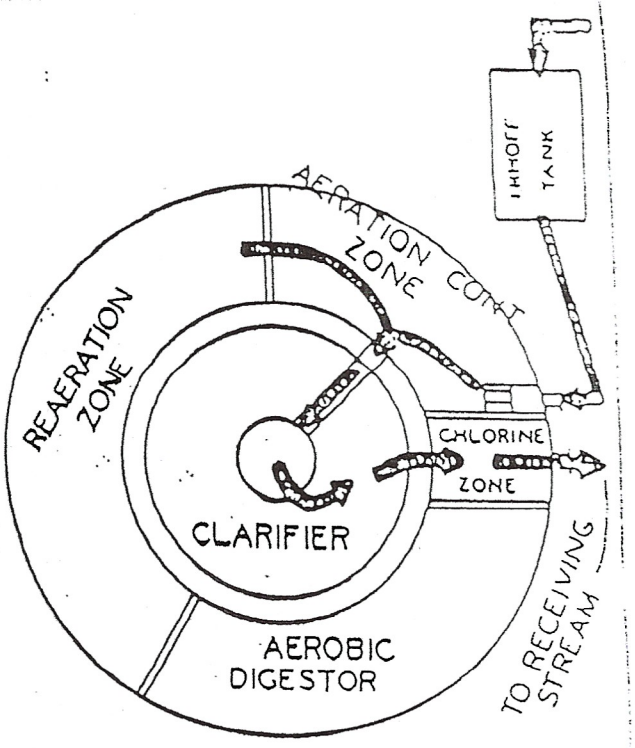


DIAGRAM 2
WASTE WATER FLOW

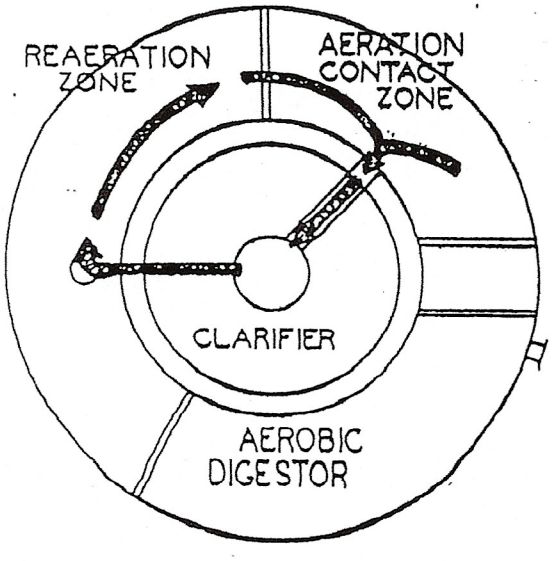


DIAGRAM 3
ACTIVATED SLUDGE FLOW

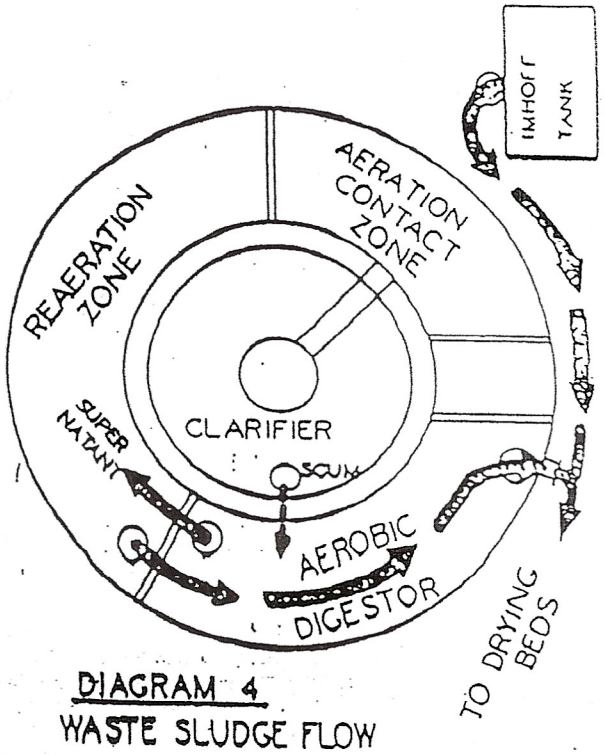


DIAGRAM 4
WASTE SLUDGE FLOW

PLATE II
ACT STABILIZATION PLANT
FLOW DIAGRAMS
Y OF TALCO, TEXAS
AYTER ENGR. PARIS, TEX.

ATTACHMENT 2F

The waste sludge flow and scum waste is shown in Plate II, Diagram 4. Excess activated sludge in the reaeration zone is pumped by an air lift to the aerobic digester where it is retained and given additional treatment. Bacteria in the digester zone consume the remaining pollutant materials, and without additional food they consume each other. The remaining residue is no longer a problem, and a portion of it is pumped periodically to the sludge drying beds. This material, when dried on the drying beds is removed and taken to an approved landfill.

The excess activated sludge transferred from the reaeration zone to the aerobic digester contains excessive water which must be removed from the digester to the highest degree possible. This is accomplished by the use of the digester decanting system. The decanting system requires the operator to shut the air supply off to the aerobic digester, permit the activated sludge material to settle to the bottom of the digester and pump the clear supernatant liquor on top of the digester back to the reaeration compartment for further treatment. The supernatanting liquor is high in its pollutant content. The clarifier mechanism has a scraper arm mounted on the surface where floating material is collected and deposited in the scum ejector each revolution of the collector mechanism. As this material is deposited into the ejector it is forced by air to the aerobic digester for further treatment.

Digested anaerobic sludge from the bottom of the Imhoff tank is pumped periodically through the cylindrical sludge waste pump to the drying beds.

E. Mechanical Units:

1. Air compressor number one as manufactured by Sutorbilt Products, model number A-10868, size 5 M-B, with a 3 Ø - 10 horsepower motor and pulley sheave arrangements for 50, 75, and 100% of air capacity.

2. Air compressor number two as manufactured by Sutorbilt Products, model number A-10868, size 5 M-B, with a 3 Ø - 10 horsepower motor and pulley sheave arrangements for 50, 75, and 100% of air capacity.

3. Chlorinator as manufactured by Wallace & Tiernan, model number M-600, mounted in dual units.

4. Gear reducer as manufactured by Winsmith ... number 7MCVPOX.

5. Imhoff sludge pump ... manufactured by Moynoy, model ...-#AS63841.

F. Unit Operation:

1. Imhoff tank - gravity flow of waste water through the unit (gate 3 open, gate 4 closed, Plate I page 7.

a) Sludgr removal to the drying beds from bottom of the Imhoff unit is through the cylindrical pump which is manually operated by the start-stop control at the pump (valve 5 closed). Do Not Operate This Pump Without Liquid Present In The Pump. Provisions are made to introduce water into the pump suction, if necessary, through the 1" plugged nipple located at the suction line high point.

2. Mixing Compartment - gravity flow of waste water and return activated sludge (gate 1 & 6 open, gate 2 closed).

3. Clarifier - gravity flow of waste water, mechanical collection of activated sludge and continuous removal by air lift to reaeration zone. Rate of removal controlled by manually operated valve on the air supply line to the air lift.

4. Scum ejector, clarifier - automatically operated on a trip solinoid each revolution of scum collector arm.

5. Chlorine Contact Zone - gravity flow waste water, chlorine gas introduced in a solution form by city water distribution pressure.

6. Reaeration Zone - manually controlled air lift from clarifier to reaeration zone and gravity flow from reaeration zone to mixing zone (gate 6 open). Air lift surplus activated sludge to aerobic digester by time clock solinoid actuated valve in the air supply line to the air lift.

7. Aerobic Digeser - sludge wasted to drying beds through air lift by manually controlled valve in air supply line (valve 5 open).

8. Decant pump in aerobic digester - controlled by manual valve in the air supply line to this air lift.

9. Imhoff sludge pump - manually controlled by start-stop button to remove waste sludge from the bottom of the clarifier to the sludge drying beds (valve 5 closed). Do Not Operate Pump Without Liquid.

10. Air Supply to Stabilization Unit - regulated by adjustment of individual manually operated valves on each air drop line.

11. Chlorinator - the fresh water supply to the chlorinator is from the city's water distribution system. The rate of feed of chlorine gas is regulated by manual adjustment of the chlorinator. The chlorine gas will not feed when the water supply is shut off by the solinoid switch located in its fresh water supply line. The solinoid switch is time clock controlled to shut off the water supply during periods of no waste water flow (early in the morning at the treatment plant).

12. Air Compressors - time clock controlled; one compressor must run at all times and is wired direct to its starter. Each compressor is capable of providing the full air output required by the plant. During normal operations the continuous air compressor will provide only a partial flow of air as required for lower flows and the auxiliary air compressor, through the time clock, will come on to provide the additional air required during peak flows to the treatment facility. The air output of the compressors may be regulated by the drive pulley located on the drive motor of the compressor to 50, 75, and 100% of the compressor's capacity. The motor alternator in the compressor control cabinet is disconnected.

Rainee Trevino

From: City of Talco <cityoftalco@gmail.com>
Sent: Friday, October 17, 2025 2:21 PM
To: Rainee Trevino
Subject: Corrections Talco Wastewater Permit #WQ0010869001
Attachments: Correction Summary of Application in Plain Lanquage.pdf; Correction SPIF.pdf; Correction Section 14 Signature Page.pdf

I have attached the requested corrections. We did not see any errors in the portion of the NORI. Please let me know if you need anything else.

Jackie Moore

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: wq0010869001

Applicant: City of Talco

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): Shirley Caruthers

Signatory title: Mayor

Signature: Shirley Caruthers Date: 10-09-2025

(Use blue ink)

Subscribed and Sworn to before me by the said Mayor, Shirley Caruthers

on this 9th day of October, 2025.

My commission expires on the 20th day of October, 2026.

Jacqueline S. Moore

Notary Public

JACQUELINE S MOORE
Notary ID #124364614
My Commission Expires
October 20, 2026

Titus

County, Texas

Rainee Trevino

From: City of Talco <cityoftalco@gmail.com>
Sent: Tuesday, October 21, 2025 10:00 AM
To: Rainee Trevino
Subject: Corrections Talco Wastewater Permit #WQ0010869001 (2)
Attachments: Summary of Applicatiion 2nd correction.docx; SPIF correction (2).pdf

I have removed the address from both forms. Please let me know if you need anything else.

Jackie Moore

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: CITY OF TALCO

   Permit No. WQ00 10869001 EPA ID No. TX 0021105

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

   The facility is located approximately 1.6 miles northeast of intersection US Highway 271 and Farm to Market Road 71, near the City of Talco, Titus County, Texas 75487

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): MS

First and Last Name: JACKIE MOORE

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

Title: CITY SECRETARY

Mailing Address: P.O. BOX 365

City, State, Zip Code: TALCO, TEXAS 75487

Phone No.: 903-379-3731 Ext.: Fax No.: 903-379-3311

E-mail Address: cityoftalco@gmail.com

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

NA

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.

PLANT SITE TO AN UNAMED DITCH; THENCE TO PRARIE LAKE; THENCE TO AN UNAMED TRIBUTARY OF THE SULPHER RIVER; THENCE TO SULPHER/SOUTH SULPHER RIVER

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):

NA

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

NA

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:

NA

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

NA

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

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.

City of Talco (CN600690689) operates City of Talco Wastewater (RN101919710), a wastewater plant. The facility is located approximately 1.6 miles northeast of intersection US Highway 271 and Farm to Market Road 71, near the city of Talco, Titus County, Texas 75487. This application is for a renewal to discharge at a daily average flow of 125,000 million gallons (MGD) gallons per day of treated domestic wastewater. Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), and Escherichia coli. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, chlorine contact chambers and a dechlorination chamber. We have four drying beds.

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

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

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

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

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

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

Example 2: Domestic Wastewater TPDES Renewal application

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

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New Application

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

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 4: Domestic Wastewater TLAP Renewal application

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

of the permit application.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.