

# Administrative Package Cover Page

# This file contains the following documents:

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



# Portada de Paquete Administrativo

# Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

City of Laredo (CN600131908) operates Laredo/Colombia Solidarity Bridge Wastewater Treatment Facility (RN101607984), an activated sludge treatment facility operated in extended aeration mode. The facility is located approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, in Laredo, Webb County, Texas 78045. This application is for a renewal of the permit to discharge treated domestic wastewater at a volume not to exceed 160,000 gallons per day. The permit also authorizes disposal of effluent by irrigation and evaporation on 6.63 acres of non-public access land.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and *E. coli*. Domestic wastewater is treated by a bar screen, aeration basins, final clarifiers, aerobic digesters, and a chlorine contact chamber.

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

### AGUAS RESIDUALES DOMÉSTICA /AGUAS PLUVIALES

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

La Ciudad de Laredo (CN600131908) opera la instalación de tratamiento de aguas residuals de Laredo/Colombia Solidarity Bridge (RN101607984), una instalación de tratamiento de lodos activados que funciona en modo de aireación prolongada. La instalación está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 y State Highway 255, en la ciudad de Laredo, Condado de Webb, Texas 78045. Esta solicitud es para renovar el permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 160.000 galones por día. El permiso también autoriza la disposición de efluentes mediante riego y evaporación en 6,63 acres de tierra de acceso no público.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y *E. coli*. Las aguas residuales domésticas están tratado por una rejilla de barras, cuencas de aireación, clarificadores finales, digestores aeróbicos y una cámara de contacto con cloro.

# **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

#### PERMIT NO. WQ0010681006

**APPLICATION.** City of Laredo, 1110 Houston Street, Laredo, Texas 78040, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0010681006 (EPA I.D. No. TX0107395) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 160,000 gallons per day with a provision for irrigation of 6.63 acres of non-public access land. The domestic wastewater treatment facility is located approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, near the city of Laredo, in Webb County, Texas 78045. The discharge route is from the plant site directly to Rio Grande Below Amistad Reservoir. TCEQ received this application on May 23, 2025. The permit application will be available for viewing and copying at Joe A. Guerra Laredo Public Library, First Floor Reference Desk, 1120 East Calton Road, Laredo, in Webb 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=-99.736944,27.693888&level=18

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at: <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>. El aviso de idioma alternativo en español está disponible en <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>.

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

Further information may also be obtained from City of Laredo at the address stated above or by calling Mr. Ramon Chavez, P.E., Engineering Department Director, at 956-791-7302.

Issuance Date: June 18, 2025

# Comisión de Calidad Ambiental del Estado de Texas



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

### PERMISO NO. WQ0010681006

SOLICITUD. La cuidad de Laredo, 1110 Houston Street, Laredo, Texas 78040, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010681006 (EPA I.D. No. TX0107395) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 160,000 galones por día con una disposición para riego de 6.63 acres de tierra de acceso no público. La planta está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 v State Highway 255, cerca de la cuidad de Laredo, en el Condado de Webb, Texas 78045. La ruta de descarga es del sitio de la planta directamente al Río Grande debajo del embalse Amistad. La TCEO recibió esta solicitud el 23 de mayo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca publica de Laredo de Joe A. Guerra, mostrador de referencia del primer piso, 1120 East Calton Road, Laredo, en el condado de Webb, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdesapplications.

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

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-99.736944,27.693888&level=18

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

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

**COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud.** El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso. **LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

# CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

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

También se puede obtener información adicional de la cuidad de Laredo a la dirección indicada arriba o llamando al Sr. Ramon Chaves, P.E., Director del Departamento de Ingeniería, al 956-791-7302.

Fecha de emisión: el 18 de junio de 2025



# LAREDO/COLOMBIA SOLIDARITY BRIDGE WASTEWATER TREATMENT FACILITY

# TPDES PERMIT RENEWAL APPLICATION PERMIT NO. WQ0010681006

SUBMITTED TO: TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



MAY 2025 PROJECT #: 1107-009-01:A

#### CITY OF LAREDO LAREDO/COLOMBIA SOLIDARITY BRIDGE WASTEWATER TREATMENT FACILITY TPDES PERMIT RENEWAL APPLICATION

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Domestic Administrative Report 1.0 Supplemental Permit Information Form (SPIF)

#### II. TECHNICAL REPORT

Domestic Technical Report 1.0 Domestic Worksheet 2.0 Domestic Worksheet 3.0 Domestic Worksheet 6.0

#### III. ATTACHMENTS

<u>No.</u>	<u>Description</u>	<u>Reference</u>
А	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	USGS Map	Admin Rpt 1.0, Section 13; Wks 3.0, Section 6
D	Treatment Process Description	Tech Rpt 1.0, Section 2.A
Е	Treatment Unit List	Tech Rpt 1.0, Section 2.B
F	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
G	Site Drawing	Tech Rpt 1.0, Section 3
Н	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7
I	Soil Map	Wks 3.0, Section 8.A
J	Soil Analyses	Wks 3.0, Section 8.B

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



# DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

# Complete and submit this checklist with the application.

APPLICANT NAME: City of Laredo

PERMIT NUMBER (If new, leave blank): WQ0010681006

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

ъ т

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

# For TCEQ Use Only

Segment Number	County
Expiration Date	Region
Permit Number	

Y

 $\boxtimes$ 

 $\boxtimes$ 

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Ν

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

N/A

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

# Section 1. Application Fees (Instructions Page 26)

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

New/Major Amendment	Renewal
\$350.00 🗆	\$315.00 🗆
\$550.00	\$515.00 🗆
\$850.00	\$815.00 🖂
\$1,250.00	\$1,215.00 🗆
\$1,650.00 🗆	\$1,615.00 🗆
\$2,050.00	\$2,015.00 🗆
	New/Major Amendment \$350.00 □ \$550.00 □ \$850.00 □ \$1,250.00 □ \$1,650.00 □ \$2,050.00 □

Minor Amendment (for any flow) \$150.00 □

### **Payment Information:**

Mailed Check/Money Order Number: <u>117299</u>				
	Check/Money Order Amount: <u>\$8</u>	ey Order Amount: <u>\$815.00</u>		
	Name Printed on Check: Plummer	-		
EPAY Voucher Number: <u>N/A</u>				
Copy of Payment Voucher enclosed? Yes				

# Section 2. Type of Application (Instructions Page 26)

- **a.** Check the box next to the appropriate authorization type.
  - ☑ Publicly Owned Domestic Wastewater
  - Privately-Owned Domestic Wastewater
  - □ Conventional Water Treatment
- **b.** Check the box next to the appropriate facility status.
  - $\boxtimes$  Active  $\square$  Inactive

- **c.** Check the box next to the appropriate permit type.
  - □ TPDES Permit
  - □ TLAP
  - ☑ TPDES Permit with TLAP component
  - □ Subsurface Area Drip Dispersal System (SADDS)
- **d.** Check the box next to the appropriate application type
  - □ New
  - Major Amendment <u>with</u> Renewal
    Minor Amendment <u>with</u> Renewal
  - □ Major Amendment <u>without</u> Renewal
- Minor Amendment <u>without</u> Renewal
- $\boxtimes$  Renewal without changes  $\square$  Minor Modification of permit
- e. For amendments or modifications, describe the proposed changes: <u>N/A</u>

# f. For existing permits:

Permit Number: WQ00<u>10681006</u> EPA I.D. (TPDES only): TX <u>0107395</u> Expiration Date: <u>11/19/2025</u>

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

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

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

# City of Laredo

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

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

# CN: <u>600131908</u>

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

Prefix: <u>Mr.</u>	Last Name, First Name:	<u>Neeb, Joseph</u>
--------------------	------------------------	---------------------

Title: <u>City Manager</u> Credential: <u>N/A</u>

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

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

<u>N/A</u>

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

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

CN: <u>N/A</u>

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

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Title: <u>N/A</u>	Credential: <u>N/A</u>

Provide a brief description of the need for a co-permittee: <u>N/A</u>

### C. Core Data Form

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

# Section 4. Application Contact Information (Instructions Page 27)

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

A.	Prefix: <u>Mr.</u>	Last Name, First Name: <u>Hernandez, Tomas</u>				
	Title: <u>Wastewater Superintendent</u>	Credentia	redential: <u>N/A</u>			
	Organization Name: <u>City of Laredo</u>	<u>)</u>				
	Mailing Address: <u>5816 Daugherty</u>	<u>Avenue</u>	venue City, State, Zip Code: <u>Laredo, Texas 78041</u>			
	Phone No.: <u>(956) 721-2022</u>	E-mail Address: <u>thernandez@ci.laredo.tx.us</u>				
	Check one or both: $\square$ Adm	ninistrative Contact			Technical Contact	
B. Prefix: Ms.Last Name, First Name: Griesel, JenniTitle: Project EngineerCredential: P.E.			<u>ui</u>			
	Organization Name: Plummer Ass	sociates, Inc.				
Mailing Address: <u>8911 N Capital of Texas Hv</u>		<u>Texas Hwy</u>	<u>exas Hwy, Bldg 1 - Ste 1250</u>			
	City, State, Zip Code: <u>Austin, TX 78759</u>					
	Phone No.: (512) 687-2193 E-mail Address: jgriesel@plummer.com			<u>com</u>		
Check one or both: 🛛 Administrative Contact 🖾 Technic			Technical Contact			

# Section 5. Permit Contact Information (Instructions Page 27)

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

A.	Prefix: <u>Mr.</u>	Last Name, First Name: <u>Chavez, Ramon</u>		
	Title: Engineering Department Dire	<u>ctor</u>	Credential: <u>P.E.</u>	
	Organization Name: <u>City of Laredo</u>	<u>)</u>		
	Mailing Address: <u>1110 Houston Stre</u>	<u>eet</u>	City, State, Zip Code: <u>Laredo, Texas 78040</u>	

	Phone No.: <u>(956) 791-7302</u>	E-mail A	ddress: <u>rchavez@ci.laredo.tx.us</u>
B.	Prefix: <u>Mr.</u>	Last Nam	e, First Name: <u>Hernandez, Tomas</u>
	Title: <u>Wastewater Superintendent</u>	Credentia	l: <u>N/A</u>
Organization Name: <u>City of Laredo</u>			
	Mailing Address: <u>5816 Daugherty</u>	Avenue	City, State, Zip Code: Laredo, Texas 78041
	Phone No.: <u>(956) 721-2022</u>	E-mail A	ddress: <u>thernandez@ci.laredo.tx.us</u>

# Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: <u>Mr.</u>	Last Nam	e, First Name: <u>Hernandez, Tomas</u>	
Title: <u>Wastewater Superintendent</u>	Credential: <u>N/A</u>		
Organization Name: <u>City of Laredo</u>			
Mailing Address: <u>5816 Daugherty Avenue</u>		City, State, Zip Code: Laredo, Texas 78041	
Phone No.: <u>(956) 721-2022</u>	E-mail A	ddress: <u>thernandez@ci.laredo.tx.us</u>	

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

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

Prefix: <u>Mr.</u>	Last Nam	e, First Name: <u>Hernandez, Tomas</u>	
Title: <u>Wastewater Superintendent</u>	Credential: <u>N/A</u>		
Organization Name: <u>City of Laredo</u>			
Mailing Address: <u>5816 Daugherty A</u>	<u>venue</u>	City, State, Zip Code: <u>Laredo, Texas 78041</u>	
Phone No.: <u>(956) 721-2022</u>	E-mail A	ddress: <u>thernandez@ci.laredo.tx.us</u>	

# Section 8. Public Notice Information (Instructions Page 27)

### A. Individual Publishing the Notices

Prefix: <u>Ms.</u> Last Name, First Name: <u>Griesel, Jenni</u>

Title: Project EngineerCredential: P.E.

Organization Name: <u>Plummer Associates, Inc.</u>

Mailing Address: <u>8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250</u>

City, State, Zip Code: Austin, TX 78759

Phone No.: (512) 687-2193 E-mail Address: jgriesel@plummer.com

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

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

- ⊠ E-mail Address
- □ Fax
- □ Regular Mail

# C. Contact permit to be listed in the Notices

Prefix: <u>Mr.</u>	Last Name, First Name: <u>Chavez, Ramon</u>				
Title: Engineering Department Dire	ctor Credential: <u>P.E.</u>				
Organization Name: <u>City of Laredo</u>	<u>1</u>				
Mailing Address: <u>1110 Houston Str</u>	eet City, State, Zip Code: Laredo, Texas 78040				
Phone No.: <u>(956) 791-7302</u>	E-mail Address: <u>rchavez@ci.laredo.tx.us</u>				

# **D.** Public Viewing Information

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

Public building name: Joe A. Guerra Laredo Public Library

Location within the building: First Floor Reference Desk

Physical Address of Building: 1120 East Calton Road

City: <u>Laredo</u> County: <u>Webb</u>

Contact (Last Name, First Name): Soliz, Maria

Phone No.: (956) 795-2400 Ext.: 2222

# E. Bilingual Notice Requirements

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

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

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

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

🖾 Yes 🗆 No

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

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

🛛 Yes 🗆 No

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

Yes  $\square$ No

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

Yes  $\square$ No

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

## F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

### Attachment: B

## G. Public Involvement Plan Form

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

Attachment: N/A

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 101607984

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

Private

Both

Federal

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

Laredo/Colombia Solidarity Bridge Wastewater Treatment Facility

- C. Owner of treatment facility: City of Laredo
  - Ownership of Facility:  $\boxtimes$ Public

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

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>

Title: N/A Credential: N/A

Organization Name: City of Laredo

Mailing Address: 1110 Houston Street	City, State, Zip Code: Laredo, TX 78040

Phone No.: (956) 791-7302 E-mail Address: rchavez@ci.laredo.tx.us

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

Attachment: N/A

E. Owner of effluent disposal site:

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>			
Title: <u>N/A</u>	Credential: <u>N/A</u>			
Organization Name: <u>City of Laredo</u>				
Mailing Address: <a href="https://www.intensity.com"><u>1110 Houston Street</u></a> City, State, Zip Code: <a href="https://www.intensity.com"><u>Laredo, TX 78040</u></a>				
Phone No.: <u>(956) 791-7302</u>	E-mail Address: <u>rchavez@ci.laredo.tx.us</u>			

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

## Attachment: <u>N/A</u>

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

Prefix: <u>N/A</u>	Last Name, First Name: <u>N/A</u>
Title: <u>N/A</u>	Credential: <u>N/A</u>
Organization Name: <u>N/A</u>	
Mailing Address: <u>N/A</u>	City, State, Zip Code: <u>N/A</u>
Phone No.: <u>N/A</u>	E-mail Address: <u>N/A</u>

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

#### Attachment: <u>N/A</u>

# Section 10. TPDES Discharge Information (Instructions Page 31)

- A. Is the wastewater treatment facility location in the existing permit accurate?
  - 🗆 Yes 🖾 No

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

Approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, Laredo, Webb County, Texas 78045.

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

$\boxtimes$	Yes	No

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

<u>N/A</u>

City nearest the outfall(s): <u>Laredo, TX</u>

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

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

🗆 Yes 🖾 No

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

 $\Box$  Authorization granted  $\Box$  Authorization pending <u>N/A</u>

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

### Attachment: N/A

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

# Section 11. TLAP Disposal Information (Instructions Page 32)

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

$\boxtimes$	Yes	No

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

<u>N/A</u>

- **B.** City nearest the disposal site: <u>Laredo</u>
- **C.** County in which the disposal site is located: <u>Webb</u>
- **D.** For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

No routing of the effluent has been undertaken: Although authorized in the TPDES permit, land application of the effluent has never commenced.

**E.** For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: <u>Rio Grande Below Amistad Reservoir in Segment No. 2304</u>

# Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?
  - 🗆 Yes 🖾 No

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

🗆 Yes

No 🛛 Not Applicable

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

<u>N/A</u>

- **C.** Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?
  - 🖾 Yes 🗆 No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: <u>Tres Koenings, Plummer Associates, Inc.</u>

**D.** Do you owe any fees to the TCEQ?

🗆 Yes 🖾 No

If **yes**, provide the following information:

Account number: <u>N/A</u>

Amount past due: <u>N/A</u>

**E.** Do you owe any penalties to the TCEQ?

🗆 Yes 🖾 No

If **yes**, please provide the following information:

Enforcement order number: <u>N/A</u>

Amount past due: <u>N/A</u>

# Section 13. Attachments (Instructions Page 33)

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

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

Original full-size USGS Topographic Map with the following information: <u>See Attachment C</u>

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.
- □ Attachment 1 for Individuals as co-applicants
- Other Attachments. Please specify: <u>See Table of Contents</u>

# Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0010681006

Applicant: City of Laredo

#### Certification:

21

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): Joseph Neeb

Signatory title: City Manager

Signature:	Jand	h	ml	Date:	5	22	25
0	(Use blue ir	k)			,		

Subscribed and Sworn to before r	ne by the	said Joseph Neeb	(city Manager)
on this ??	_day of	Mary	, 20_25
My commission expires on the	8th	_day of _ February_	, 20 <b>.26</b> .

Nous

Notary Public

[SEAL]

County, Texas



# DOMESTIC WASTEWATER PERMIT APPLICATION

# SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: SPIF

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

TCEQ USE ONLY:	
Application type:RenewalMajor Am	endmentNinor AmendmentNew
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 <u>WO-ARPTeam@tceq.texas.gov</u> or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: <u>City of Laredo</u>

Permit No. WQ00<u>10681006</u>

EPA ID No. TX<u>0107395</u>

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

Approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, Laredo, Webb County, Texas 78045.

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): <u>Mr.</u> First and Last Name: <u>Tomas Hernandez</u> Credential (P.E, P.G., Ph.D., etc.): <u>N/A</u> Title: <u>Wastewater Superintendent</u> Mailing Address: <u>5816 Daugherty Avenue</u> City, State, Zip Code: <u>Laredo, Texas 78041</u> Phone No.: <u>(956) 721-2022</u> Ext.: <u>N/A Fax No.: N/A</u> E-mail Address: <u>thernandez@ci.laredo.tx.us</u>

- 2. List the county in which the facility is located: <u>Webb</u>
- If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.
   N/A Applicant is property owner.

N/A - Applicant is property owner.

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.

<u>Via Outfall 001 directly to Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande Basin</u>

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). See SPIF 1 and SPIF 2

Provide original photographs of any structures 50 years or older on the property. <u>N/A</u>

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 <u>of caves</u>, or other karst features):

Future phase impacts are to be determined.

Describe existing disturbances, vegetation, and land use:
 Existing land use is typical of a wastewater treatment facility of this size.

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

- 3. List construction dates of all buildings and structures on the property: N/A
- 4. Provide a brief history of the property, and name of the architect/builder, if known. <u>N/A</u>





TEXAS REGISTERED ENGINEERING FIRM F-13

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



# DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

# Section 1. Permitted or Proposed Flows (Instructions Page 42)

# A. Existing/Interim I Phase

Design Flow (MGD): <u>0.035</u> 2-Hr Peak Flow (MGD): <u>0.099</u> Estimated construction start date: <u>Currently Operating</u> Estimated waste disposal start date: <u>Currently Operating</u>

# **B.** Interim II Phase

Design Flow (MGD): <u>N/A</u> 2-Hr Peak Flow (MGD): <u>N/A</u> Estimated construction start date: <u>N/A</u> Estimated waste disposal start date: <u>N/A</u>

# C. Final Phase

Design Flow (MGD): <u>0.16</u> 2-Hr Peak Flow (MGD): <u>0.45</u> Estimated construction start date: <u>Dependent on service area growth</u> Estimated waste disposal start date: <u>Dependent on service area growth</u>

D. Current Operating Phase: Existing/Interim Phase I

Provide the startup date of the facility: <u>1993</u>

# 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**.

See Attachment D

### **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)
See Attachment E		

#### C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction. **Attachment**: <u>F</u>

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

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

- Latitude: <u>27.692214</u>
- Longitude: <u>-99.736832</u>

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

- Latitude: <u>27.693347</u>
- Longitude: <u>-99.736539</u>

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: G

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

<u>The facility is a satellite plant that serves a small area approximately 10 miles northwest</u> of the City of Laredo. The service area is bordered by the Rio Grande River on the west and serves developments along FM 1472. The service area is approximately 2 square <u>miles.</u>

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
Laredo Colombia	City of Laredo	Publicly Owned	150 (Current) 1600 (Final)

# 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**.

The planned proposed future construction phase will still be needed. The area served by this plant has not developed as expected; the area growth rate, although slower than that of the main city areas, is still growing. The area's growth rate is expected to require the initiation of the proposed/planned expansion in the near future. Therefore, it is recommended to keep the proposed construction phase.

# 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 N/A

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

<u>N/A</u>

# 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: <u>1993</u>

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**.

A summary transmittal letter will be submitted to the TCEQ prior to construction of the Final Phase treatment facility.

#### **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.

<u>N/A</u>

### 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*.

Other Requirement 8.e: The City of Laredo has been performing the annual soil analysis and submitting the laboratory results to the TCEQ regional office, as required.

#### 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.

<u>N/A</u>

#### 3. Grit disposal

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

□ Yes □ No <u>N/A</u>

**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.

<u>N/A</u>

#### 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.

<u>N/A</u>

#### 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 \_ or TXRNE <u>AD77</u>

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

□ Yes □ No <u>N/A</u>

#### 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:

<u>N/A</u>

#### 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.

<u>N/A</u>

### 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.

<u>N/A</u>

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.

## <u>N/A</u>

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.  $\underline{\rm N/A}$ 

#### 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<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

<u>N/A</u>

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?

 $\Box$  Yes  $\Box$  No <u>N/A</u>

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

 $\Box$  Yes  $\Box$  No <u>N/A</u>

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<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

<u>N/A</u>

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.

<u>N/A</u>

# 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.

See Attachment H

Table1.0(2) – Pollutant Analysis for	• Wastewater	<b>Treatment Facilities</b>
--------------------------------------	--------------	-----------------------------

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , mg/l	<3.1 (BOD <sub>5</sub> )	3.1 (BOD <sub>5</sub> )	2	Grab	4/1/25 & 5/1/25
Total Suspended Solids, mg/l	9.9	13.0	3	Grab	4/1/25 & 5/1/25
Ammonia Nitrogen, mg/l	4.8	4.8	1	Grab	5/1/2025 10:45
Nitrate Nitrogen, mg/l	31	31	1	Grab	5/1/2025 10:45
Total Kjeldahl Nitrogen, mg/l	190	190	1	Grab	5/1/2025 10:45
Sulfate, mg/l	210	210	1	Grab	5/1/2025 10:45
Chloride, mg/l	160	160	1	Grab	5/1/2025 10:45
---	-------	---------	-----	------	--------------------
Total Phosphorus, mg/l	3.8	3.8	1	Grab	5/1/2025 10:45
pH, standard units	6.3	5.8-6.8	2	Grab	4/1/25 & 5/1/25
Dissolved Oxygen*, mg/l	11	11	1	Grab	5/1/2025 10:45
Chlorine Residual, mg/l	6.98	20	4	Grab	4/1/25 & 5/1/25
<i>E.coli</i> (CFU/100ml) freshwater	<1	<1	1	Grab	5/1/2025 11:54
Entercocci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	740	740	1	Grab	5/1/2025 10:45
Electrical Conductivity, µmohs/cm, †	1,300	1,300	1	Grab	5/1/2025 10:45
Oil & Grease, mg/l	2.3	2.3	1	Grab	5/1/2025 10:45
Alkalinity (CaCO <sub>3</sub> )*, mg/l	6.6	6.6	1	Grab	5/1/2025 10:45

\*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	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO <sub>3</sub> ), mg/l	N/A	N/A	N/A	N/A	N/A

## Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: <u>Tomas Hernandez</u>

Facility Operator's License Classification and Level: Wastewater Class A

Facility Operator's License Number: <u>WW0051418</u>

# 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

- $\Box$  Design flow>= 1 MGD
- $\Box$  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:

#### 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
Other	Off-site Third-Party Preparer	Not Applicable	N/A	N/A: Transported to another facility for further processing	N/A: Trasporrted to another facility for further processing

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): <u>Biosolids are transported to another facility also owned by the City of Laredo.</u>

#### D. Disposal site

Disposal site name: South Laredo Wastewater Treatment Facility

TCEQ permit or registration number: WQ0010681003

County where disposal site is located: Webb

#### E. Transportation method

Method of transportation (truck, train, pipe, other): <u>Truck</u>

Name of the hauler: <u>City of Laredo</u>

Hauler registration number: <u>21804</u>

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 <u>N/A</u>

**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 <u>N/A</u>

#### B. Sludge processing authorization

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

Sludge Composting	Yes	$\boxtimes$	No
Marketing and Distribution of Biosolids	Yes	$\boxtimes$	No
Sludge Surface Disposal or Sludge Monofill	Yes	$\boxtimes$	No
Temporary storage in sludge lagoons	Yes	$\boxtimes$	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 <u>N/A</u>

### 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: <u>N/A</u>

• USDA Natural Resources Conservation Service Soil Map:

Attachment: N/A

• Federal Emergency Management Map:

Attachment: <u>N/A</u>

• Site map:

#### Attachment: N/A

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

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

#### Attachment: <u>N/A</u>

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:

<u>N/A</u>

#### **B.** Temporary storage information

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

Nitrate Nitrogen, mg/kg: N/A Total Kjeldahl Nitrogen, mg/kg: N/A Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: N/A Phosphorus, mg/kg: N/A Potassium, mg/kg: N/A pH, standard units: N/A Ammonia Nitrogen mg/kg: <u>N/A</u> Arsenic: N/A Cadmium: N/A Chromium: N/A Copper: N/A Lead: N/A Mercury: N/A Molybdenum: N/A Nickel: N/A Selenium: N/A Zinc: N/A Total PCBs: N/A Provide the following information: Volume and frequency of sludge to the lagoon(s): N/A

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

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

#### C. Liner information

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

□ Yes □ No <u>N/A</u>

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

<u>N/A</u>

#### D. Site development plan

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

<u>N/A</u>

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s) Attachment: N/A
- Copy of the closure plan

Attachment: <u>N/A</u>

• Copy of deed recordation for the site

Attachment: N/A

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons Attachment: N/A
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: N/A

• Procedures to prevent the occurrence of nuisance conditions

Attachment: N/A

#### E. Groundwater monitoring

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

□ Yes □ No <u>N/A</u>

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: <u>N/A</u>

#### 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:

Reclaimed Water Use, Authorization No. R10681006

#### **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:

#### <u>N/A</u>

## 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: <u>N/A</u>

#### 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 0
  - performing work for another company with a unit located in the same site; or 0
  - performing pro bono work for a governmental agency or charitable 0 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 TCEO 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: Joseph Neeb

Title: City Manager

ngh h mal Signature: Date:

## DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

## Section 1. Domestic Drinking Water Supply (Instructions Page 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: <u>N/A</u>

Distance and direction to the intake: <u>N/A</u>

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

Attachment: <u>N/A</u>

## 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: N/A

#### **B.** Oyster waters

Are there oyster waters in the vicinity of the discharge?

□ Yes □ No <u>N/A</u>

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

<u>N/A</u>

#### C. Sea grasses

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

□ Yes □ No <u>N/A</u>

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

<u>N/A</u>

## 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: N/A

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

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

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

- □ Man-made Channel or Ditch
- Open Bay
- □ Tidal Stream, Bayou, or Marsh
- $\Box$  Other, specify:

#### **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
- $\Box$  Other, specify:

#### C. Downstream perennial confluences

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

N/A

#### **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.

N/A

#### E. Normal dry weather characteristics

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

N/A

Date and time of observation: N/A

Was the water body influenced by stormwater runoff during observations?

□ Yes		No
-------	--	----

#### General Characteristics of the Waterbody (Instructions Section 5. **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

Agricultural runoff

Urban runoff

Septic tanks Other(s), specify:

#### **B.** Waterbody uses

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

- Livestock watering Contact recreation Irrigation withdrawal Non-contact recreation Fishing Navigation Domestic water supply Industrial water supply
- Park activities

- Other(s), specify:

#### C. Waterbody aesthetics

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

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

## DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND DISPOSAL OF EFFLUENT

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

## Section 1. Type of Disposal System (Instructions Page 67)

Identify the method of land disposal:

- □ Surface application
- ⊠ Irrigation

- Subsurface application
- □ Subsurface soils absorption
- □ Subsurface area drip dispersal system

⊠ Evaporation

- Evapotranspiration beds
- □ Other (describe in detail):

Drip irrigation system

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

#### For existing authorizations, provide Registration Number: <u>WQ0010681006</u>

## Section 2. Land Application Site(s) (Instructions Page 67)

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

#### Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area	Effluent Application	Public Access?
	(acres)	(GPD)	Y/N
Bermuda grass, Landscape	6.63	160,000	Ν

## Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 67)

#### Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type
1	1.03	12.36	183' x 240'	Compacted Clay

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

Attachment: <u>Available on Request. Pond Liner Certification has previously been submitted and approved.</u>

### Section 4. Flood and Runoff Protection (Instructions Page 67)

Is the land application site <u>within</u> the 100-year frequency flood level?

🖾 Yes 🗆 No

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

The floodplain extends to approximately 460' msl. The facility is protected by an earthen berm approximately 9' high with a maximum elevation of 469' msl.

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

FEMA FIRM Panel 48479C1000C, effective 4/2/2008

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

Earthen berms and native grass stands are in place to provide tailwater control of irrigated effluent areas. Run-on is protected by roadway and upgradient perimeter berms.

## Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: <u>N/A - Although the existing permit authorizes land application through on-site irrigation, the land disposal of effluent has never been implemented. As no effluent has been applied, a cropping plan is not needed for the effluent disposal site.</u>

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

## Section 6. Well and Map Information (Instructions Page 68)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: <u>C</u>

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones

- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

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

#### Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice		
N/A – No water wells within $1/2$ mile of facility.						

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

Attachment: <u>N/A</u>

## Section 7. Groundwater Quality (Instructions Page 68)

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

Attachment: <u>N/A – Land application has not been implemented.</u>

Are groundwater monitoring wells available onsite?  $\Box$  Yes  $\boxtimes$  No

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

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

Attachment: N/A

## Section 8. Soil Map and Soil Analyses (Instructions Page 69)

#### A. Soil map

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

Attachment: I

#### **B.** Soil analyses

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

#### Attachment: $\underline{J}$

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

#### Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Lagloria silt loam (LgA)	63 cm	9.0 x 10 <sup>-4</sup> cm/s	0.15 cm/cm	71
Maverick-Catarina complex (MCE)	60 cm	1.0 x 10 <sup>-4</sup> cm/s	0.15 cm/cm	89

## Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

🖾 Yes 🗆 No

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

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

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pН	Chlorine Residual mg/l	Acres irrigated
4/30/2023	0.01	2.0	6.8	7.1	>1.1, <4.0	0
5/31/2023	0.011	2.0	12.3	6.5	>1.0, <4.0	0
6/30/2023	0.011	2.0	11.3	6.6	>1.0, <4.0	0
7/31/2023	0.011	2.0	9.8	7.6	>1.0, <3.9	0
8/31/2023	0.012	2.1	9.5	6.8	>1.1, <4.0	0
9/30/2023	0.011	2.5	10.1	6.2	>1.1, <3.9	0
10/31/2023	0.014	3.4	6.3	7.7	>1.1, <3.9	0
11/30/2023	0.013	2.1	4.2	7.5	>1.1, <3.9	0
12/31/2023	0.01	5.5	3.0	7.3	>1.1, <3.8	0
1/31/2024	0.009	2.1	3.9	7.1	>1.1, <4.0	0
2/29/2024	0.01	2.0	7.4	6.1	>1.4, <4.0	0
3/31/2024	0.008	4.1	9.5	6.1	>1.6, <4.0	0
4/30/2024	0.01	4.0	7.0	6.3	>2.0, <3.8	0
5/31/2024	0.01	3.0	4.3	6.2	>1.9, <3.6	0
6/30/2024	0.01	5.5	17.7	6.1	>1.6, <3.9	0
7/31/2024	0.008	4.0	4.2	6.2	>2.2, <3.7	0
8/31/2024	0.01	4.5	5.2	7.0	>1.1, <3.6	0
9/30/2024	0.011	2.1	4.0	7.1	>1.1, <3.9	0
10/31/2024	0.007	2.0	3.0	7.1	>2.0, <3.9	0
11/30/2024	0.01	3.4	4.2	7.1	>1.2, <4.0	0
12/31/2024	0.11	2.0	10.4	6.3	>1.3, <3.8	0
1/31/2025	0.11	2.0	5.9	7.0	<1.8, <4.0	0
2/28/2025	0.12	3.1	6.1	6.1	>1.0, <3.9	0
3/31/2025	0.006	2.0	5.2	7.1	>1.0. <3.9	0

#### Table 3.0(5) – Effluent Monitoring Data

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

<u>N/A</u>

## 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: <u>o</u> Average Daily Flows, in MGD: <u>o</u>

Significant IUs – non-categorical:

Number of IUs: <u>o</u>

Average Daily Flows, in MGD: o

Other IUs:

Number of IUs: o

Average Daily Flows, in MGD: o

#### **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.

<u>N/A</u>

#### 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.

<u>N/A</u>

#### 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 <u>N/A</u>

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.

<u>N/A</u>

#### **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.

<u>N/A</u>			

#### 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			
N/A – Monitoring not required							

#### 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.

<u>N/A</u>

## Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 88)

#### A. General information

Company Name: <u>N/A</u> SIC Code: <u>N/A</u> Contact name: <u>N/A</u> Address: <u>N/A</u> City, State, and Zip Code: <u>N/A</u> Telephone number: <u>N/A</u> Email address: N/A

#### **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).

<u>N/A</u>

#### C. Product and service information

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

<u>N/A</u>	

#### D. Flow rate information

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

Process Wastewater:

Discharge, in gallon	s/day: <u>N/A</u>						
Discharge Type: 🗆	Continuous		Batch		Intermittent		
Non-Process Wastewate	Non-Process Wastewater:						
Discharge, in gallon	s/day: <u>N/A</u>						
Discharge Type: 🗆	Continuous		Batch		Intermittent		

#### E. Pretreatment standards

Is the SIU or CIU subject to technically based local limits as defined in the *i*nstructions?

🗆 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: <u>N/A</u> Subcategories: <u>N/A</u>

Category: <u>N/A</u>

Subcategories: <u>N/A</u>

Category: <u>N/A</u>

Subcategories: N/A

Category: <u>N/A</u>

Subcategories: <u>N/A</u>

#### 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.

<u>N/A</u>

#### CITY OF LAREDO LAREDO/COLOMBIA SOLIDARITY BRIDGE WASTEWATER TREATMENT FACILITY TPDES PERMIT RENEWAL APPLICATION

#### TABLE OF ATTACHMENTS

<u>No.</u>	Description	Reference
А	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	USGS Map	Admin Rpt 1.0, Section 13; Wks 3.0, Section 6
D	Treatment Process Description	Tech Rpt 1.0, Section 2.A
E	Treatment Unit List	Tech Rpt 1.0, Section 2.B
F	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
G	Site Drawing	Tech Rpt 1.0, Section 3
Н	Pollutant Analysis of Treated Effluent	Tech Rpt 1.0, Section 7
I	Soil Map	Wks 3.0, Section 8.A
J	Soil Analyses	Wks 3.0, Section 8.B

#### ATTACHMENT A

Core Data Form Admin Rpt 1.0, Section 3.C



## **TCEQ Core Data Form**

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

## **SECTION I: General Information**

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)							
New Permit, Registration or Authorization ( <i>Core Data Form should be submitted with the program application.</i> )							
Renewal (Core Data Form should be submitted with the	e renewal form)	Other					
2. Customer Reference Number (if issued) Follow this link to search for CN or RN numbers in		3. Regulated Entity Reference Number (if issued)					
CN 600131908	<u>Central Registry**</u>	RN 101607984					

## **SECTION II: Customer Information**

4. General Cu	4. General Customer Information 5. Effective Date for Customer Information Updates (mm/dd/yvyy)										
New Customer Update to Customer Information Change in Regulated Entity Ownership											
	egal Name (	Verifiable with the Te	exas Secretary of S	tate or Tex	as Com	ptrolle	er of Public	Accounts)			
The Custome	r Name su	bmitted here may	be updated aut	tomaticall	y base	d on v	what is cu	urrent and active	with the	e Texas Seci	retary of State
(SOS) or Texa	s Comptro	oller of Public Acco	unts (CPA).		-						
6. Customer	Legal Nam	e (If an individual, pl	int last name first	: eg: Doe, J	ohn)			<u>If new Customer, e</u>	enter pre	vious Custom	<u>er below:</u>
City of Laredo											
7. TX SOS/CP	A Filing N	umber	8. TX State Ta	<b>ix ID</b> (11 di	igits)			9. Federal Tax II	D	10. DUNS	Number (if
								(O digita)		applicable)	
								(9 digits)			
11. Type of C	ustomer:	Corpor	ation				🗌 Individ	lual	Partner	rship: 🗌 Ger	ieral 🗌 Limited
Government:	🛛 City 🗌 C	County 🗌 Federal 🗌	Local 🗌 State [	Other			Sole Pr	roprietorship	🗌 Oth	ier:	
12. Number o	of Employ	ees						13. Independen	tly Own	ned and Ope	erated?
0-20	21-100	] 101-250 [] 251	-500 🛛 501 ai	nd higher				Yes [	🛛 No		
14. Customer	r <b>Role</b> (Proj	posed or Actual) – <i>as</i>	it relates to the R	egulated Er	ntity list	ed on	this form.	Please check one of	the follow	wing	
Owner		Operator	🛛 Own	er & Opera	tor			□ Othor:			
	al Licensee	Responsible P	arty 🗌 VC	CP/BSA App	licant						
15 Mailing	1110 Hou	iston Street									
15. Walling											
Address:				-	1			I			I
	City	Laredo		State	ТХ		ZIP	78040		ZIP + 4	8019
16. Country Mailing Information (if outside USA)						17. E-Mail Address (if applicable)					
						rcha	vez@ci.lar	edo.tx.us			

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
( 956 ) 791-7302		( ) -

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

21. General Regulated En	itity Informat	<b>ion</b> (If 'New Regulated	d Entity" is select	ed, a new pe	rmit applicat	ion is also required.)		
New Regulated Entity	🛛 Undate to I	Regulated Entity Name	Undate to	Regulated F	ntity Informa	ation		
The Regulated Entity Nar	ne submitted	l may be updated, i	n order to mee	t TCEQ Core	e Data Stan	dards (removal of o	rganization	al endings such
as Inc. I.P. or I.I.C.)								
us me, er, or eeej.								
22. Regulated Entity Nam	<b>ne</b> (Enter name	of the site where the	regulated action	is taking plac	ce.)			
Laredo/Colombia Solidarity E	Bridge Wastew	ater Treatment Facility						
. ,	0	,						
23. Street Address of								
the Regulated Entity:								
the Regulated Entry.								
<u>(No PO Boxes)</u>	City		Stata		710		710 4	
	City		State		ZIP		ZIP + 4	
24. County	Webb							
2 county								

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

25. Description to         Physical Location:    Approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255										
26. Nearest City						State		Nea	rest ZIP Code	
Laredo	Laredo TX 78045									
Latitude/Longitude are re used to supply coordinate	equired and es where no	may be added/ ne have been pr	updated to meet T ovided or to gain d	CEQ Core D Iccuracy).	ata Standa	rds. (Geoco	ding of th	e Physical .	Address may be	
27. Latitude (N) In Decim	al:	27.693870		28. Lo	ongitude (V	V) In Decim	al:	99.73694		
Degrees	Minutes	:	Seconds	Degre	es	Min	nutes		Seconds	
29. Primary SIC Code	30.	Secondary SIC C	ode	31. Primar	y NAICS Co	de	32. Secor	ndary NAIC	S Code	
(4 digits)	(4 d	igits)		<b>(</b> 5 or 6 digit	s)		(5 or 6 dig	its)		
4952				221320						
33. What is the Primary B	usiness of t	his entity? (Do	not repeat the SIC or	NAICS descri	ption.)					
Treatment of domestic waste	water									
	5816 Daug	herty Avenue								
34. Mailing										
Address:	City	Laurada	State	TY	710	70041		710 - 4	2227	
	City	Laredo	State	IX	ZIP	78041		ZIP + 4	3337	
35. E-Mail Address:	ther	nandez@ci.laredo	o.tx.us							
36. Telephone Number			37. Extension or 0	Code	38. F	ax Number	(if applicab	le)		
( <b>9</b> 56 ) <b>7</b> 21- <b>2</b> 022					(	) -				

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

Dam Safety	Districts	Edwards Aquifer	Emissions Inventory Air	Industrial Hazardous Waste
Municipal Solid Waste	New Source Review Air		Petroleum Storage Tank	D PWS
Sludge	Storm Water	Title V Air		Used Oil
Voluntary Cleanup	Wastewater	Wastewater Agriculture	Water Rights	Other:
	WQ0010681006			

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

ű.

6

40. Name:	Jenni Griesel	, P.E.		41. Title:	Project Engineer	
42. Telephone	Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
( 512 ) 687-2193	3		( ) -	jgriesel@plu	ummer.com	

## **SECTION V: Authorized Signature**

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

Company:	City of Laredo	Job Title:	City Mar	nager	
Name (In Print):	Joseph Neeb		1	Phone:	( 956 ) 791- <b>7398</b>
Signature:	Jungh a nh			Date:	5/22/25

#### ATTACHMENT B

Plain Language Summary Admin Rpt 1.0, Section 8.F



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

City of Laredo (CN600131908) operates Laredo/Colombia Solidarity Bridge Wastewater Treatment Facility (RN101607984), an activated sludge treatment facility operated in extended aeration mode. The facility is located approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, in Laredo, Webb County, Texas 78045. This application is for a renewal of the permit to discharge treated domestic wastewater at a volume not to exceed 160,000 gallons per day. The permit also authorizes disposal of effluent by irrigation and evaporation.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and *E. coli*. Domestic wastewater is treated by a bar screen, aeration basins, final clarifiers, aerobic digesters, and a chlorine contact chamber.

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

#### AGUAS RESIDUALES DOMÉSTICA /AGUAS PLUVIALES

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

La Ciudad de Laredo (CN600131908) opera la instalación de tratamiento de aguas residuals de Laredo/Colombia Solidarity Bridge (RN101607984), una instalación de tratamiento de lodos activados que funciona en modo de aireación prolongada. La instalación está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 y State Highway 255, en la ciudad de Laredo, Condado de Webb, Texas 78045. Esta solicitud es para renovar el permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 160.000 galones por día. El permiso también autoriza la disposición de efluentes mediante riego y evaporación.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y *E. coli*. Las aguas residuales domésticas están tratado por una rejilla de barras, cuencas de aireación, clarificadores finales, digestores aeróbicos y una cámara de contacto con cloro.

#### ATTACHMENT C

USGS Map Admin Rpt 1.0, Section 13; Wks 3.0, Section 6



(Shared\Projects\Water\1107\009-01\05 Project Work\05 Permitting\A. Colombia Bridge Renewal\01 Permit Application\GIS\Colombia Application Attachments.aprx **TEXAS REGISTERED ENGINEERING FIRM F-13** 

#### ATTACHMENT D

Treatment Process Description Tech Rpt 1.0, Section 2.A

#### ATTACHMENT D CITY OF LAREDO LAREDO/COLOMBIA SOLIDARITY BRIDGE WASTEWATER TREATMENT FACILITY TPDES PERMIT RENEWAL APPLICATION TREATMENT PROCESS DESCRIPTION

The current 0.035 MGD phase is an activated sludge package plant operated in extended aeration mode. The treatment process consists of the following units: Bar Screen, Extended Activated Sludge Treatment, Secondary Clarification, Chlorination, and Solids Handling. The treatment process for the Final phase will follow the same process flow as described below for the Existing phase.

Influent raw wastewater is pumped to a manual bar screen from an on-site lift station. Following the bar screen, the wastewater then flows to the activated sludge aeration basin and then flows to the clarifier. Settled activated sludge is returned to the aeration basin from the clarifier as return activated sludge (RAS) or wasted to an aerobic digester as waste activated sludge (WAS). The clarifier effluent flows to a chlorine contact chamber for chlorination and then is discharged as final effluent. Effluent may be routed to the holding/evaporation pond or used for irrigation as authorized in the permit. Land application of effluent has not begun. Sludge from the aerobic digester and screenings are transported via a tanker truck to the South Laredo Wastewater Treatment Facility for belt filter press dewatering and disposal at the City of Laredo landfill.

#### ATTACHMENT E

Treatment Unit List Tech Rpt 1.0, Section 2.B

#### ATTACHMENT E CITY OF LAREDO LAREDO/COLOMBIA SOLIDARITY BRIDGE WASTEWATER TREATMENT FACILITY TPDES PERMIT RENEWAL APPLICATION TREATMENT UNIT LIST

EXISTING PHASE							
Type of Unit	Number of Units	Dimensions					
Aeration Basin	1	73' L x 24' W x 11' H					
Final Clarifier	1	10' Radius x 12' SWD					
Aerobic Digester	1	24' L x 8' W x 11' H					
Chlorination Contact Chamber	1	13' L x 3' W x 9' H					
Effluent Storage Pond	1	2.65 MGD					

FINAL PHASE*		
Type of Unit	Number of Units	Dimensions
Aeration Basin	2	73' L x 24' W x 11' H
Final Clarifier	2	10' Radius x 12' SWD
Aerobic Digester	2	24' L x 8' W x 11' H
Chlorination Contact Chamber	1	24' L x 3' W x 9' H
Effluent Storage Pond	1	2.65 MGD

\*Sizing is tentative and may be adjusted for final design.

#### ATTACHMENT F

Process Flow Diagram Tech Rpt 1.0, Section 2.C


#### ATTACHMENT G

Site Drawing Tech Rpt 1.0, Section 3



TEXAS REGISTERED ENGINEERING FIRM F-13 Z:\Shared\Projects\Water\1107\005-01\06 R

#### ATTACHMENT H

Pollutant Analysis of Treated Effluent Tech Rpt 1.0, Section 7

#### LAREDO COLOMBIA WWTP NPDES REPORTING PARAMETERS

#### MONTH / YEAR April 2025

### Discharge 30 By-Pass

FINAL EFFLUENT	
DO Minimum (mg/L)	5.7
BOD5 Daily Average (Lbs./Day)	0.004
BOD5 Daily Average (mg/L)	3.1 ····
BOD5 Daily Maximum (mg/L)	6.0
ph Minimum (SU)	6.8
ph Maximum (SU)	6.8
TSS Daily Average (Lbs./Day)	0.009
TSS Daily Average (mg/L)	7.1
TSS Daily Maximum (mg/L)	13.0
Chlorine Residual Minimum (mg/L)	1.0
Chlorine Residual Maximum (mg/L)	3.4
Flow Daily Average (MGD)	0.001
Flow Daily Maximum (MGD)	0.001

For e coli data see effluent report sheet

### CITY OF LAREDO UTILITIES DEPARTMENT

Wastewater Laboratory

1701 Shiloh Dr Laredo, TX 78045



Chain of Custody # 20150501

# Quanti-tray *E.coli* and Chain of Custody Form **EL02** APPENDIX L

Circle One:	Water Source	Facility Na	ame: Laredo Colur	nbia Wastewater T	reatment Facility					
	Effluent	Facility I	D #: TPDES EPA I	D# TX 0107395						
Sample ID:	Sampling	Point	Disinfection Type	Chlorine Residual	Test Re	quested		Results	E. Coli	Results (MPN/100mL)
Final Effluent	End of chlorine co	ntact chamber	Chlorine	3.5	IDEXX Labor	NA				
					E.coli (enumeration)			•		<1.0
Sampled by:	JE44.2 C	Ture	Date: 5-1-25	Time: 1045	Received by:		Date: 🕂	901/25	Time:	1050
Relinquished by:	116		Date: 5-/-75	Time: // 10	Received by: Lab: J.C	nongova	Date: 5	1125	Time:	1136
Laboratory:								•		
Sample Arrival	Condition: <u>ICed</u>		Sample Arrival \	/olume: _ 100m L	Sa	ample arrival temp	. observed/	corrected: 3.3	· < ] 3	3.3 · C
Sample Acce	epted:	Sample Rejec	ted:	Chlorine Residual : 0	<u>.00</u> c	I Strip Lot # & Ex	p. Date:_L	1320A 2	117	_
Date & Tim	e Analysis Started:	5.1.250	1154		Date & Time	Analysis Finishe	d: <u>5 · 2</u>	·25 @ 11.	SY	-
Date & Time I	Results Reported to:				Reported I	By: J.GO	nquy	0		
				Acceptable	<u> </u>	Not Acce	ptable:	-		
Lal	boratory Contac	t: Melissa Vi	illarreal, Lab Coord	linator - (956) 79!	5 - 2720 x 3077					
Remarks / L	.ab ID #:									
Unsuitable Sx	Analysis 1) Sx. Exce	eds 6 hrs Holding T	ime 3) Excessi	ve chlorine Residual ( > 10	mg/L) 5)	Form Incomplete, n	ot Filled acc	ordingly/Date Discre	epancy	
Rejection (	Criteria 2) Insufficie	ent Sx Volume (100 i	ml) 🛛 🗌 4) Heavy 1	Furbidity Present / Excessive	e Material	) Other:				

### CITY OF LAREDO UTILITIES DEPARTMENT

Wastewater Laboratory

1701 Shiloh Dr

Laredo, TX 78045



Chain of Custody # <u>20250501</u>

# Quanti-tray *E.coli* and Chain of Custody Form

Circle One:	Water Source	Facility Name	Laredo Colu	umbia Wastewater <sup>·</sup>	Treatment Facilit	у				
	Effluent	Facility ID #:	TPDES EPA	\ ID# TX 0107395						
Sample ID:	Sampling P	oint	Disinfection Type	Chlorine Residual	-	Test Requested		Results	E. Coli	Results (MPN/100mL)
Final Effluent	End of chlorine cont	act chamber	Chlorine	7.5	IDEXX	Laboratories Colilert		NA		
					E.ç	oli (enumeration)				< 1. ()
Sampled by:	51997 (70	Ten Date	5-1-25	Time: 1045	Received by:	Ma	Date: 5-1-	15	Time:	1150
Relinquished by:	M	Date	6-1-75	Time: // 70	Received by: Lab:	Gongova	Date: 5	25	Time:	1136
Laboratory:				,		J				
Sample Arrival	Condition: ICecl		Sample Arrival	I Volume: _ 100m	L	Sample arrival ten	np. observed/ co	rrected: 2.0	2  <sup>2</sup> و	. 6°C
Sample Acce	epted:	Sample Rejected:	<u>.</u>	Chlorine Residual :	0.00	CI Strip Lot # & I	Exp. Date: <u>43</u>	20A 2	117	
Date & Tim	e Analysis Started:	<u>S.1.25 0#</u>	54 1154		Date 8	Time Analysis Finish	ned: $5 \cdot 2 \cdot 2$	25011	54	
Date & Time	Results Reported to:				, Rep	ported By: J.C.	ionquvq			
				Acceptable	e:	Not Acc	ceptable:			
l la	horatory Contact	• Melissa Villar	real Lab Coor	dinator - (956) 79		7				
					5 2720 × 5077					
Remarks / L	.ab ID #:									
Unsuitable S>	Analysis 1) Sx. Excee	ds 6 hrs Holding Time	3) Exces	ssive chlorine Residual ( > 10	mg/L)	5) Form Incomplete	, not Filled accordi	ngly/Date Disc	repancy	
Rejection (	Criteria 2) Insufficier	t Sx Volume (100 ml)	4) Heavy	y Turbidity Present / Excessiv	ve Material	6) Other:				



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Robert Estrada City of Laredo 5816 Daugherty Avenue Laredo, Texas 78041 Generated 5/15/2025 12:13:43 PM

# JOB DESCRIPTION

Permit Sample Laredo Colombia, 05/01/25

# **JOB NUMBER**

860-99801-1

Eurofins Houston 4145 Greenbriar Dr Stafford TX 77477





# **Eurofins Houston**

# Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

# Authorization

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751 Generated

5/15/2025 12:13:43 PM

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### **Definitions/Glossary**

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE)

Limit of Quantitation (DoD/DOE)

Method Detection Limit Minimum Level (Dioxin)

Most Probable Number Method Quantitation Limit

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

EPA recommended "Maximum Contaminant Level"

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) Job ID: 860-99801-1

# Qualifiers

EDL

LOD LOQ

MCL MDA

MDC MDL

ML MPN

MQL NC

ND

NEG

POS

PQL PRES

QC

RL

RER

RPD

TEF

TEQ

TNTC

HPLC/IC		
Qualifier	Qualifier Description	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	
General Cher	mistry	5
Qualifier	Qualifier Description	
*_	LCS and/or LCSD is outside acceptance limits, low biased.	
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.	
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.	
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	c
s	Seeded Control Blank (SCB) Recovery High	
Glossary		9
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis	1
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	_
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	

#### Job ID: 860-99801-1

#### **Eurofins Houston**

#### Job Narrative 860-99801-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The sample was received on 5/2/2025 9:07 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.6°C.

#### HPLC/IC

Method 300\_ORGFM\_28D: The continuing calibration blank (CCB) for analytical batch 860-233119 contained Chloride and Sulfate above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 300\_ORGFM\_28D: The continuing calibration blank (CCB) for analytical batch 860-233119 contained Sulfate above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### **General Chemistry**

Method 350.1: The sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 860-233539 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Ammonia as N in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method SM5210B\_Calc: The correction factor for the Seeded Control Blank (SCB) for batch 860-234456 was outside the method range of 0.6 to 1.0 mg/L. Thus, there is added uncertainty for the associated sample results.

Method SM5210B\_Calc: The glucose-glutamic acid standard (LCS) recovered outside the recovery limits specified in the method in batch 860-234456. The method holding time had expired, therefore the analysis was not repeated. The data was qualified and reported.

Method SM5210B\_Calc: All the dilutions failed to deplete the method-required 2 mgO2/L for the following samples: Lardo Colombia WWTP (860-99801-1). Only a "less than" result could be calculated from the least dilute preparation.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

#### Client Sample ID: Lardo Colombia WWTP

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	160		0.50	0.25	mg/L	1	_	300.0	Total/NA
Nitrogen, Nitrate	31		0.10	0.039	mg/L	1		300.0	Total/NA
Sulfate	210		0.50	0.20	mg/L	1		300.0	Total/NA
Oil & Grease	2.3	J	5.6	1.7	mg/L	1		1664B	Total/NA
Ammonia as N	4.8		0.10	0.051	mg/L	1		350.1	Total/NA
Nitrogen, Kjeldahl	190		10	4.5	mg/L	50		351.2	Total/NA
Oxygen, Dissolved	11	HF	1.0	1.0	mg/L	1		360.1	Total/NA
Phosphorus Total	3.8		0.20	0.14	mg/L	10		365.1	Total/NA
Alkalinity	6.6		4.0	4.0	mg/L	1		SM 2320B	Total/NA
Electrical Conductivity	1300		10	10	umho/cm @ 25C	1		SM 2510B	Total/NA
Total Dissolved Solids	740		10	10	mg/L	1		SM 2540C	Total/NA
Total Suspended Solids	6.8		4.1	4.1	mg/L	1		SM 2540D	Total/NA
Chlorine, Total Residual	20	HF	0.50	0.50	mg/L	10		SM 4500 CI G	Total/NA
н	5.8	HF			SU	1		SM 4500 H+ B	Total/NA

Lab Sample ID: 860-99801-1

# **Client Sample Results**

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

Matrix: Water

Lab Sample ID: 860-99801-1

Client Sample ID: Lardo Colombia WWTP	
Date Collected: 05/01/25 10:45	

Date Received: 05/02/25 09:07

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	bhy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		0.50	0.25	mg/L			05/02/25 21:21	1
Nitrogen, Nitrate	31		0.10	0.039	mg/L			05/02/25 21:21	1
Sulfate	210		0.50	0.20	mg/L			05/02/25 21:21	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil & Grease (1664B)	2.3	J	5.6	1.7	mg/L			05/08/25 15:29	1
Ammonia as N (EPA 350.1)	4.8		0.10	0.051	mg/L			05/02/25 23:51	1
Nitrogen, Kjeldahl (EPA 351.2)	190		10	4.5	mg/L		05/06/25 18:44	05/07/25 15:53	50
Oxygen, Dissolved (EPA 360.1)	11	HF	1.0	1.0	mg/L			05/07/25 11:33	1
Phosphorus Total (EPA 365.1)	3.8		0.20	0.14	mg/L			05/13/25 00:40	10
Alkalinity (SM 2320B)	6.6		4.0	4.0	mg/L			05/07/25 12:44	1
Electrical Conductivity (SM 2510B)	1300		10	10	umho/cm @ 25C			05/08/25 13:20	1
Total Dissolved Solids (SM 2540C)	740		10	10	mg/L			05/07/25 09:34	1
Total Suspended Solids (SM 2540D)	6.8		4.1	4.1	mg/L			05/08/25 13:07	1
Chlorine, Total Residual (SM 4500 Cl G)	20	HF	0.50	0.50	mg/L			05/06/25 12:24	10
рН (SM 4500 Н+ В)	5.8	HF			SU			05/08/25 14:21	1
Biochemical Oxygen Demand (SM _5210B)	<3.0	*_	3.0	3.0	mg/L		05/03/25 09:48	05/03/25 10:38	1

RL

0.50

0.50

RL

0.50

0.50

MDL Unit

0.25 mg/L

0.20 mg/L

MDL Unit

0.25 mg/L

0.20 mg/L

D

D

Prepared

Prepared

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Method: 300.0 - Anions, Ion Chromatography

MB MB

MB MB

Result Qualifier

<0.25

<0.20

<0.25

<0.20

Result Qualifier

Lab Sample ID: MB 860-233119/5

Lab Sample ID: MB 860-233119/74

Lab Sample ID: LCS 860-233119/75

Matrix: Water

Matrix: Water

Matrix: Water

Analyte

Chloride

Sulfate

Analyte

Chloride

Sulfate

Analysis Batch: 233119

Analysis Batch: 233119

Job ID: 860-99801-1

Prep Type: Total/NA

Prep Type: Total/NA

**Client Sample ID: Method Blank** 

Analyzed

05/02/25 09:54

05/02/25 09:54

**Client Sample ID: Method Blank** 

Dil Fac

Dil Fac

1

1

1

# 05/02/25 19:16 1 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Analyzed

05/02/25 19:16

	Analysis Batch: 233119								
		Spike	LCS	LCS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Chloride	10.0	9.95		mg/L		99	90 - 110	
	Sulfate	10.0	10.1		mg/L		101	90 - 110	
ļ									

Lab Sample ID: LCSD 860-233119/76			Client Sample ID: Lab Control Sa	mple Dup
Matrix: Water			Ргер Туре	: Total/NA
Analysis Batch: 233119				
	Spike	LCSD LCSD	%Rec	RPD

Analyte	Added	Result	Qualifier U	nit D	%Rec	Limits	RPD	Limit
Chloride	10.0	9.89	m	ng/L	99	90 - 110	1	20
Sulfate	10.0	10.1	m	ig/L	101	90 - 110	0	20

Lab Sample ID: LLCS 860-233119/9 Matrix: Water	\$ 860-233119/9						Clier	nt Sample	ID: Lab Con Prep Typ	trol Sample be: Total/NA		
Analysis Batch: 233119												
			Spike		LLCS	LLCS	6				%Rec	
Analyte			Added		Result	Quali	ifier	Unit	D	%Rec	Limits	
Chloride			0.500		0.614			mg/L		123	50 - 150	
Sulfate			0.500		0.688			mg/L		138	50 - 150	
 Lab Sample ID: MB 860-233120/5										Client S	Sample ID: Me	thod Blank
Matrix: Water											Prep Typ	e: Total/NA
Analysis Batch: 233120												
	MB	MB										
Analyte	Result	Qualifier		RL		MDL	Unit		D	Prepared	Analyzed	Dil Fac

Nitrogen, Nitrate	<0.039		0.10	0.039	mg/L			05/02/25 09:54	1
Lab Sample ID: MB 860-233120/74 Matrix: Water Analysis Batch: 233120							Client Sa	ample ID: Metho Prep Type: 1	d Blank Fotal/NA
· · · · · · <b>,</b> · · · · · · · · · · · · · · · · · · ·	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate	<0.039		0.10	0.039	mg/L			05/02/25 19:16	1

Job ID: 860-99801-1

RPD Limit

20

Dil Fac

RPD

1

#### Method: 300.0 - Anions, Ion Chromatography (Continued) Lab Sample ID: LCS 860-233120/75 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 233120 Spike LCS LCS %Rec Analyte Added Result Qualifier %Rec Limits Unit D Nitrogen, Nitrate 10.0 10.8 mg/L 108 90 - 110 Lab Sample ID: LCSD 860-233120/76 Client Sample ID: Lab Control Sample Dup Matrix: Water Prep Type: Total/NA Analysis Batch: 233120 Spike LCSD LCSD %Rec Analyte Added **Result Qualifier** Unit D %Rec Limits Nitrogen, Nitrate 10.0 10.8 mg/L 108 90 - 110 Lab Sample ID: LLCS 860-233120/8 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 233120 LLCS LLCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits D 0.100 0.0981 J Nitrogen, Nitrate mg/L 98 50 - 150 Method: 1664B - HEM and SGT-HEM Lab Sample ID: MB 860-234552/1 **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total/NA Analysis Batch: 234552 MB MB Analyte Qualifier RL MDL Unit Prepared Result D Analyzed Oil & Grease 5.0 05/08/25 15:29 <1.6 1.6 mg/L Lab Sample ID: LCS 860-234552/2 **Client Sample ID: Lab Control Sample** Matrix: Water Prep Type: Total/NA Analysis Batch: 234552 Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Oil & Grease 40.0 36.9 92 78 - 114 mg/L Lab Sample ID: LCSD 860-234552/3 Client Sample ID: Lab Control Sample Dup Matrix: Water Prep Type: Total/NA Analysis Batch: 234552 LCSD LCSD Spike %Rec Analyte Added Result Qualifier %Rec Limits Unit D 40.0 Oil & Grease 38.0 mg/L 95 78 - 114 Method: 350.1 - Nitrogen, Ammonia Lab Sample ID: MB 860-233539/16 **Client Sample ID: Method Blank** Matrix: Water Prep Type: Total/NA Analysis Batch: 233539

-	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	<0.051		0.10	0.051	mg/L			05/02/25 20:54	1

RPD

Limit

18

RPD

3

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Analyte

Method: 350.1 - Nitrogen, Ammonia (Continued)

Job ID: 860-99801-1

5

Dil Fac

1

Lab Sample ID: MB 860-233539/5	6										Client S	Sample ID: I	Method	Blank
Matrix: Water												Prep T	ype: To	tal/NA
Analysis Batch: 233539														
		MB MB												
Analyte	R	esult Qualifier		RL		MDL	Unit		D	Pr	epared	Analyz	ed	Dil Fac
Ammonia as N	<(	0.051		0.10		0.051	mg/L					05/02/25 2	22:54	1
_ 														
Lab Sample ID: LCS 860-233539/	57								Clie	ent	Sample	D: Lab Co	ontrol S	ample
Matrix: Water												Prep I	ype: Io	tal/NA
Analysis Batch: 233539			Spike		1.00	1.00						% Bee		
Analyta			Spike		Bocult	Quali	ifior	Unit		n	% Pac	%Rec		
Ammonia as N			1.00		0.908	Quan		ma/l				90 110		
			1.00		0.000			iiig/L			51	50-110		
Lab Sample ID: LCSD 860-233539	/58							С	lient Sa	am	ple ID:	Lab Contro	I Samp	le Dup
Matrix: Water												Prep T	ype: To	tal/NA
Analysis Batch: 233539														
			Spike		LCSD	LCSE	D					%Rec		RPD
Analyte			Added		Result	Quali	ifier	Unit	I	D	%Rec	Limits	RPD	Limit
Ammonia as N			1.00		0.911			mg/L			91	90 _ 110	0	20
_ 														
Lab Sample ID: LLCS 860-233539	/19								Clie	ent	Sample	D: Lab Co	ontrol S	ample
Matrix: Water												Prep T	ype: To	tal/NA
Analysis Batch: 233539							_					~-		
			Spike		LLCS	LLCS	5			_	~~ <b>-</b>	%Rec		
Analyte			Added		Result	Quali	ifier	Unit		D	%Rec	Limits		
Ammonia as N			0.100		0.123			mg/L			123	50 - 150		
Lab Sample ID: 860-99801-1 MS									Client S	San	nple ID:	: Lardo Col	ombia V	NWTP
Matrix: Water												Prep T	vpe: To	tal/NA
Analysis Batch: 233539													,,	
	Sample	Sample	Spike		MS	MS						%Rec		
Analyte	Result	Qualifier	Added		Result	Quali	ifier	Unit	I	D	%Rec	Limits		
Ammonia as N	4.8		1.00		5.75	4		mg/L			93	90 _ 110		
Lab Sample ID: 860-99801-1 MSD								(	Client S	San	nple ID:	: Lardo Col	ombia \	NWTP
Matrix: Water												Prep T	ype: To	tal/NA
Analysis Batch: 233539														
	Sample	Sample	Spike		MSD	MSD						%Rec		RPD
Analyte	Result	Qualifier	Added		Result	Quali	ifier	Unit		D .	%Rec	Limits	RPD	Limit
Ammonia as N	4.8		1.00		5.65	4		mg/L			84	90 - 110	2	20
Method: 351.2 - Nitrogen, Tot	al Kjeld	ahl												
L ab Sample ID: MB 860-233963/4	-Δ										Client S	ample ID <sup>.</sup> I	Method	Blank
Matrix: Water												Pren T	vpe: To	tal/NA
Analysis Batch: 234231												Prep F	Batch: 2	33963
		MB MB												

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

#### Method: 351.2 - Nitrogen, Total Kjeldahl (Continued)

Lab Sample ID: LCS 860-233963/6-A							Client	t Sample	ID: Lab C	ontrol S	ample
Matrix: Water									Prep	Type: To	tal/NA
Analysis Batch: 234231									Prep	Batch: 2	233963
			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Kjeldahl			2.00	2.08		mg/L		104	90 - 110		
Lab Sample ID: LCSD 860-233963/7-A						Cli	ient San	nple ID:	Lab Contro	ol Samp	le Dup
Matrix: Water								· · · ·	Prep	Type: To	tal/NA
Analysis Batch: 234231									Prep	Batch: 2	233963
			Spike	LCSD	LCSD				%Rec		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrogen, Kjeldahl			2.00	2.11		mg/L		106	90 - 110	2	20
Lab Sample ID: LLCS 860-233963/5-A							Client	t Sample	e ID: Lab C	ontrol S	ample
Matrix: Water									Prep	Type: To	tal/NA
Analysis Batch: 234231									Prep	Batch: 2	233963
· · · · · <b>,</b> · · · · · · · · · · · · · · · · · · ·			Spike	LLCS	LLCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Nitrogen, Kjeldahl			0.200	0.116	J	mg/L		58	50 - 150		
	al										
								unonic c	ampie ib.	mounou	Biunit
Analysis Batch: 233534	MB	MB							Prep	Туре: То	otal/NA
Analysis Batch: 233534	MB	MB	B	1	MDI Unit			Ironarad	Prep	Type: To	Dil Eac
Analysis Batch: 233534/57 Analysis Batch: 233534 Analyte Phosphorus Total	MB <u>Result</u> <0.014	MB Qualifier	<b> R</b> 0.02	<u>L</u>	MDL Unit		<u>D</u> P	repared	Prep	<b>Type: To</b>	Dil Fac
Analysis Batch: 233534/57 Analysis Batch: 233534 Analyte Phosphorus Total	MB Result <0.014	MB Qualifier	<b>R</b> 0.02	L	MDL Unit		<u>D</u> _ P	repared	Prep Analy. 05/02/25	<b>Type: To</b> zed 22:06	Dil Fac
Lab Sample ID: WB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water	MB Result <0.014	MB Qualifier	<b> R</b> 0.02	L	MDL 0.014 mg/L		D P	Prepared	Prep	Type: To zed 22:06	Dil Fac 1 ample
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 223524	MB Result <0.014	MB Qualifier	<b> R</b> 0.02	L	MDL Unit 0.014 mg/L		D P	repared t Sample	Prep Analy 05/02/25 e ID: Lab C Prep	Type: To zed 22:06 	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	— R 0.02		MDL Unit 0.014 mg/L		D P	repared t Sample	Prep Analy 05/02/25 e ID: Lab C Prep	Type: To 22:06 - control S Type: To	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	R 0.02 Spike		MDL Unit 0.014 mg/L LCS		D P Client	repared t Sample	Prep Analy 05/02/25 Prep %Rec	Type: To 22:06	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total	MB Result <0.014	MB Qualifier	R 0.02 Spike Added 0.250	L 0 LCS Result	MDL Unit 0.014 mg/L LCS Qualifier	Unit	D P Client	<sup>o</sup> repared t Sample	Prep 	Type: To zed 22:06 control S Type: To	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Phosphorus Total	MB <u>Result</u> <0.014	MB Qualifier	R 0.02 Spike Added 0.250	LCS Result 0.227	MDL Unit 0.014 mg/L LCS Qualifier	- Unit mg/L	D P Client	Prepared t Sample <u>%Rec</u> 91	Prep Analy. 05/02/25 e ID: Lab C Prep %Rec   110	Type: To zed 22:06 control S Type: To	Dil Fac 1 ample atal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 233534         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Lab Sample ID: LCSD 860-233534/59	MB <u>Result</u> <0.014	MB Qualifier	R 0.02 Spike Added 0.250	LCS Result 0.227	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L	D P Client	Prepared t Sample <u>%Rec</u> 91	Prep 	zed        22:06        control S        Type: To        ol Samp	Dil Fac 1 ample atal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water	MB <u>Result</u> <0.014	MB Qualifier	R 0.02 Spike Added 0.250	LCS Result 0.227	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L	D P Client D ient San	<sup>v</sup> repared t Sample <u>%Rec</u> 91 nple ID:	Prep Analy 05/02/25 Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: To zed 22:06 control S Type: To DI Sampl Type: To	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	R 0.02 Spike Added 0.250	L 0 LCS Result 0.227	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	D P Client	<sup>o</sup> repared t Sample <u>%Rec</u> 91 nple ID:	Prep Analy 05/02/25 Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: To zed 22:06 control S Type: To ol Samp Type: To	Dil Fac 1 ample otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	R 0.02 Spike Added 0.250 Spike	LCS Result 0.227	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	D P Client	<sup>erepared</sup> t Sample <u>%Rec</u> 91 91	Prep Analy 05/02/25 Prep %Rec Limits 90 - 110 Lab Contro Prep	Type: To 22:06 Control S Type: To DI Sampl Type: To	Dil Fac 1 ample otal/NA le Dup otal/NA RPD
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	Spike Added 0.250 Spike Added	LCS Result 0.227 LCSD Result	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	DP Client D ient San	Prepared t Sample %Rec 91 hple ID: %Rec	Prep Analy 05/02/25 Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits	zed       22:06       control S       Type: To       ol Sampl       Type: To       RPD	Dil Fac 1 ample otal/NA le Dup otal/NA RPD Limit
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 233534	MB <u>Result</u> <0.014	MB Qualifier	R 0.02 Spike Added 0.250 Spike Added 0.250	LCS Result 0.227 LCSD Result 0.226	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	D P Client D ient San D	Prepared t Sample 91 91 nple ID: 90	Prep Analy 05/02/25 Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110	zed         22:06         control S         Type: To         ol Samp         Type: To	Dil Fac 1 ample otal/NA le Dup otal/NA RPD Limit 20
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Lab Sample ID: LCSD 860-235427/43	MB Result <0.014	MB Qualifier	R           0.02           Spike           Added           0.250           Spike           Added           0.250	LCS Result 0.227 LCSD Result 0.226	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli Unit mg/L	DP Client D ient San D	repared t Sample %Rec 91 nple ID: %Rec 90 Client S	Analy:	Type: To 22:06 control S Type: To DI Sampl Type: To RPD 0 Method	Dil Fac 1 ample otal/NA le Dup otal/NA RPD Limit 20 Blank
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Matrix: Water         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-23534/59         Matrix: Water         Analyte         Phosphorus Total         Lab Sample ID: MB 860-235427/43         Matrix: Water	MB Result <0.014	MB Qualifier	R	LCS Result 0.227 LCSD Result 0.226	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	DPP Client D ient San	repared t Sample 91 nple ID: <u>%Rec</u> 90 Client S	Analy:	Type: To 22:06 control S Type: To DI Samp Type: To RPD 0 Method Type: To	Dil Fac 1 ample tal/NA le Dup tal/NA RPD Limit 20 Blank tal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534	MB Result <0.014	MB Qualifier	R	LCS Result 0.227 LCSD Result 0.226	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	DPP Client D ient San	Prepared t Sample 91 nple ID: %Rec 90 Client S	Analy.	Type: To 22:06 Control S Type: To DI Sampl Type: To RPD 0 Method Type: To	Dil Fac 1 ample otal/NA le Dup otal/NA RPD Limit 20 Blank otal/NA
Lab Sample ID: IMB 860-233534/57         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCS 860-233534/58         Matrix: Water         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-233534/59         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 233534         Analyte         Phosphorus Total         Lab Sample ID: LCSD 860-2353534/59         Matrix: Water         Analysis Batch: 233534         Analysis Batch: 233534         Analysis Batch: 235427/43	MB Result <0.014	MB Qualifier	R	LCS Result 0.227 LCSD Result 0.226	MDL Unit 0.014 mg/L LCS Qualifier	Unit mg/L Cli	D P Client D ient San	Prepared t Sample 91 nple ID: %Rec 90 Client S	Analy:	Type: To 22:06 control S Type: To ol Samp Type: To <u>RPD</u> 0 Method Type: To	Dil Fac 1 ample tal/NA le Dup tal/NA RPD Limit 20 Blank tal/NA
Lab Sample ID: IMB 860-233534/57   Matrix: Water   Analysis Batch: 233534   Analyte   Phosphorus Total   Lab Sample ID: LCS 860-233534/58   Matrix: Water   Analysis Batch: 233534   Analyte   Phosphorus Total   Lab Sample ID: LCSD 860-233534/59   Matrix: Water   Analysis Batch: 233534   Analyte   Phosphorus Total   Lab Sample ID: LCSD 860-233534/59   Matrix: Water   Analysis Batch: 233534   Analyte   Phosphorus Total   Lab Sample ID: MB 860-235427/43   Matrix: Water   Analysis Batch: 235427   Analyte	MB Result <0.014	MB Qualifier MB Qualifier	R 0.02 Spike Added 0.250 Spike Added 0.250	LCS Result 0.227 LCSD Result 0.226	MDL Unit	Unit mg/L Cli	D P	Prepared t Sample 91 91 91 91 90 Client S Prepared	Prep Analy: 05/02/25 D: Lab C Prep %Rec Limits 90 - 110 Lab Contro Prep %Rec Limits 90 - 110 Sample ID: Prep Analy:	Type: To 22:06 - control S Type: To DI Samp Type: To <u>RPD</u> 0 Method Type: To zed	Dil Fac Dil Fac 1 ample otal/NA le Dup otal/NA RPD Limit 20 Blank otal/NA Dil Fac

LCS LCS

LCSD LCSD

**Result Qualifier** 

0.244

0.258

Result Qualifier

Unit

mg/L

Unit

mg/L

D

D

%Rec

%Rec

103

98

Spike

Added

0.250

Spike

Added

0.250

MB MB

<4.0

Result Qualifier

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Lab Sample ID: LCS 860-235427/44

Lab Sample ID: LCSD 860-235427/45

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 860-234256/3

Matrix: Water

Phosphorus Total

Matrix: Water

Phosphorus Total

Matrix: Water

Analyte

Analyte

Analyte

Alkalinity

Analysis Batch: 235427

Analysis Batch: 235427

Analysis Batch: 234256

Method: 365.1 - Phosphorus, Total (Continued)

Job ID: 860-99801-1

Prep Type: Total/NA

Prep Type: Total/NA

**Client Sample ID: Lab Control Sample** 

%Rec

Limits

90 - 110

%Rec

Client Sample ID: Lab Control Sample Dup

Limits	RPD	Limit	
001110			1
mple ID: I	Nethod	Blank	
Prep I	ype: Io		

RPD

MDL	Unit	D	Prepared	Analyzed	Dil Fac	
4.0	mg/L			05/07/25 12:11	1	

**Client Sample** 

Lab Sample ID: LCS 860-234256/4 Matrix: Water	Client	Sample	ID: Lab Con Prep Typ	trol Sample be: Total/NA				
Analysis Batch: 234256								
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Alkalinity	250	235		mg/L		94	85 - 115	
Lab Sample ID: LCSD 860-234256/5				Clie	nt Sam	ple ID:	Lab Control S	Sample Dup
Matrix: Water						· · · ·	Prep Typ	e: Total/NA
Analysis Batch: 234256								

RL

4.0

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Alkalinity	250	253		mg/L		101	85 - 115	7	20

#### Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 860-234502/2 Matrix: Water									(	Client S	ample ID: Metho Prep Type: <sup>-</sup>	d Blank Total/NA
Analysis Batch: 234502												
		МВ М	В									
Analyte	Re	esult Q	ualifier	RL		MDL	Unit	D	Pre	epared	Analyzed	Dil Fac
Electrical Conductivity		<10		10		10	umho/cn 25C	n@			05/08/25 13:20	1
 Lab Sample ID: 860-99801-1 DU								Clie	nt San	nple ID:	Lardo Colombia	a WWTP
Matrix: Water											Prep Type:	Total/NA
Analysis Batch: 234502												
-	Sample	Sample	•		DU	DU						RPD
Analyte	Result	Qualifie	er		Result	Qua	lifier L	Init	D		RPI	D Limit
Electrical Conductivity	1300				1390		L	mho/cm Ø 25C				4 20

alizata Datales 000040

Method: SM 2540C - Solids, Total Dissolved (TDS)

Job ID: 860-99801-1

Lab Sample ID: MB 860-234046/1											Client S	Sample ID: Meth	od Blank
Matrix: Water												Prep Type:	Total/NA
Analysis Batch: 234046													
	MB	MB							_	_			
Analyte	Result	Qualifier		RL		MDL	Unit			P	repared	Analyzed	Dil Fac
Iotal Dissolved Solids	<5.0			5.0		5.0	mg/L					05/07/25 09:14	1
Lab Sample ID: LCS 860-234046/2									С	lient	Sample	e ID: Lab Contro	I Sample
Matrix: Water												Prep Type:	Total/NA
Analysis Batch: 234046													
			Spike		LCS	LCS						%Rec	
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
Total Dissolved Solids			1000		1000			mg/L			100	80 - 120	
Method: SM 2540D - Solids, Tota	al Suspe	nded (TS	SS)										
Lab Sample ID: MB 860-234491/1											Client S	Sample ID: Meth	od Blank
Matrix: Water												Pren Type:	Total/NA
Analysis Batch: 234491												i top typet	
	МВ	МВ											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Total Suspended Solids	<4.0			4.0		4.0	mg/L					05/08/25 13:07	1
Lab Sample ID: LCS 860-234491/2									C	lient	t Sample	e ID: Lab Contro	I Sample
Matrix: Water												Prep Type:	Total/NA
Analysis Batch: 234491													
			Spike		LCS	LCS						%Rec	
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits	
Total Suspended Solids			1000		960			mg/L			96	80 - 120	
Method: SM 4500 CI G - Chloring	e, <mark>Resid</mark> u	ıal											
Lab Sample ID: MB 860-233840/3											Client S	Sample ID: Meth	od Blank
Matrix: Water												Prep Type:	Total/NA
Analysis Batch: 233840													
	МВ	МВ											
Analyte	Result	Qualifier		RL		MDL	Unit		D	Р	repared	Analyzed	Dil Fac
Chlorine, Total Residual	<0.050			0.050	(	0.050	mg/L					05/06/25 12:24	1
Lab Sample ID: LCS 960 222940/4									<b>C</b>	lion	Comple	Dul ab Contro	l Comolo
Lab Sample ID. LCS 660-233640/4 Matrix: Water										nem	Sample	Prop Type:	Total/NA
Analysis Potoby 222840												Fiep type.	TOLAI/INA
Analysis Batch. 233640			Sniko		109	109						%Pec	
Analyte					Rocult	0.0	lifior	Unit		п	%Pec	/orcec	
Chlorine, Total Residual			0.250		0.259	Qua		ma/L		-	103	85 - 115	
			0.200		0.200								
Lab Sample ID: LCSD 860-233840/5								С	lient	San	ple ID:	Lab Control San	nple Dup
Matrix: Water												Prep Type:	Total/NA

b Control Sample Dup Prep Type: Total/NA

Analysis Batch: 233840									
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chlorine, Total Residual	 0.250	0.255		mg/L		102	85 - 115	1	20

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

#### Method: SM 5210B - BOD, 5-Day

Lab Sample ID: SCB 860-234456/2 Matrix: Water Analysis Batch: 234456								Client S	ample ID: Metho Prep Type: <sup>-</sup>	d Blank Fotal/NA
· · · · · · · · · · · · · · · · · · ·	SCB	SCB								
Analyte	Result	Qualifier	RL	MDL	Unit		D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.65	s	0.0000020	0.0000020	mg/L				05/03/25 11:42	1
Lab Sample ID: USB 860-234456/1 Matrix: Water								Client S	ample ID: Metho Prep Type: <sup>-</sup>	d Blank ſotal/NA
Analysis Batch. 234400	USB	USB								
Analyte	Result	Qualifier	RL	MDL	Unit		D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	<0.0000020		0.0000020	0.0000020	mg/L				05/03/25 11:40	1
Lab Sample ID: LCS 860-234456/3 Matrix: Water Analysis Batch: 234456							Clier	it Sample	ID: Lab Control Prep Type: <sup>-</sup>	Sample Fotal/NA
			Spike	LCS LCS	;				%Rec	
Analyte			Added	Result Qua	lifier	Unit	D	%Rec	Limits	
Biochemical Oxygen Demand			198	153 *-		mg/L		77	85 - 115	

# **QC Association Summary**

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

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HPLC/IC

Analysis	Batch:	233119

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	300.0	
MB 860-233119/5	Method Blank	Total/NA	Water	300.0	
MB 860-233119/74	Method Blank	Total/NA	Water	300.0	
LCS 860-233119/75	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-233119/76	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-233119/9	Lab Control Sample	Total/NA	Water	300.0	
Analysis Batch: 23312	0				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	300.0	
MB 860-233120/5	Method Blank	Total/NA	Water	300.0	
MB 860-233120/74	Method Blank	Total/NA	Water	300.0	
LCS 860-233120/75	Lab Control Sample	Total/NA	Water	300.0	
LCSD 860-233120/76	Lab Control Sample Dup	Total/NA	Water	300.0	
LLCS 860-233120/8	Lab Control Sample	Total/NA	Water	300.0	
General Chemistry	,				
Prep Batch: 233336					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	BOD Prep	<u> </u>
Analysis Batch: 23353	4				
Lah Sample ID	Client Sample ID	Pren Type	Matrix	Method	Pren Batch
MB 860-233534/57	Method Blank	Total/NA	Water	365.1	
LCS 860-233534/58	Lab Control Sample	Total/NA	Water	365 1	
LCSD 860-233534/59	Lab Control Sample Dup	Total/NA	Water	365.1	
└─ Analysis Batch: 23353	9				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	350.1	
MB 860-233539/16	Method Blank	Total/NA	Water	350.1	
MB 860-233539/56	Method Blank	Total/NA	Water	350.1	
LCS 860-233539/57	Lab Control Sample	Total/NA	Water	350.1	
LCSD 860-233539/58	Lab Control Sample Dup	Total/NA	Water	350.1	
LLCS 860-233539/19	Lab Control Sample	Total/NA	Water	350.1	
860-99801-1 MS	Lardo Colombia WWTP	Total/NA	Water	350.1	
860-99801-1 MSD	Lardo Colombia WWTP	Total/NA	Water	350.1	
– Analysis Batch: 23384	0				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	SM 4500 CI G	
MB 860-233840/3	Method Blank	Total/NA	Water	SM 4500 CI G	
LCS 860-233840/4	Lab Control Sample	Total/NA	Water	SM 4500 CI G	
LCSD 860-233840/5	Lab Control Sample Dup	Total/NA	Water	SM 4500 CI G	
– Prep Batch: 233963					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	351.2	
MB 860-233963/4-A	Method Blank	Total/NA	Water	351.2	
LCS 860-233963/6-A	Lab Control Sample	Total/NA	Water	351.2	

### **QC Association Summary**

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

#### General Chemistry (Continued)

#### Prep Batch: 233963 (Continued)

LCSD 860-233963V7-A       Lab Control Sample Dup       Total/NA       Water       351.2         LLCS 860-233963V5-A       Lab Control Sample       Total/NA       Water       351.2         Analysis Batch: 234046       Client Sample ID       Prep Type       Matrix       Method       Prep Batcl         860-234046/1       Lands Colombia WWTP       Total/NA       Water       SM 2540C       SM 2540C         MB 800-234046/2       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         860-234046/2       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         660-98901-1       Lands Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         660-98901-1       Lands Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         660-98901-1       Lards Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         660-98901-1       Lards Control Sample Dup       Total/NA       Water       351.2       233963         Clies Bample ID       Client Sample ID       Prep Type       Matrix       Method       S51.2       233963         LCS 860-23396397-A       Lab Control Sample Dup       Tot	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LLCS 880-23383/3-A Lab Control Sample D Prop Type Matrix Method Prop Batcl 603-56601-1 Laria Colombia WWTP TotalWA Water SM 2540C Lab Sample D Control Sample D Prop Type Matrix Method Prop Batcl 603-56601-1 Laria Colombia WWTP TotalWA Water SM 2540C Client Sample D Prop Type Matrix Method Prop Batcl 603-56601-1 Laria Colombia WWTP TotalWA Water SM 2540C Analysis Batch: 234128 Lab Sample D Client Sample D Prop Type Matrix Method Prop Batcl 603-56601-1 Laria Colombia WWTP TotalWA Water SM 2540C Analysis Batch: 234231 Lab Sample D Client Sample D Prop Type Matrix Method Prop Batcl 860-56601-1 Laria Colombia WWTP TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample D TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample D TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample Dup TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample Dup TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample Dup TotalWA Water SM 2512 233865 LCS 860-233853-A Lab Control Sample Dup TotalWA Water SM 2520B Lab Sample D Client Sample Dup TotalWA Water SM 2320B LCS 860-233853-A Lab Control Sample Dup TotalWA Water SM 2320B LCS 860-233853-A Lab Control Sample TotalWA Water SM 2320B Lab Sample D Client Sample D Prop Type Matrix Method Prop Batcl 603-69801-1 Laria Colombia WWTP TotalWA Water SM 2320B Lab Sample D Client Sample D Prop Type Matrix Method Prop Batcl 105.8 800-2342565 Lab Control Sample TotalWA Water SM 2320B LCS 800-2342565 Lab Control Sample TotalWA Water SM 2320B LCS 800-2342565 Lab Control Sample D Prop Type Matrix Method Prop Batcl 803-69801-1 Laria Colombia WWTP TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM 2320B LCS 800-2345671 Method Blank TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM 2320B LCS 800-2345672 Method Blank TotalWA Water SM	LCSD 860-233963/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	
Analysis Batch: 234046       Client Sample (D)       Client Sample (D)       Prep Type       Matrix       Method       Prep Batcl         Bibl -99801-1       Lands Colombia WWTP       TotalNA       Water       SM 2540C       Prep Batcl         LCS 860-2340401       Muthod Blank       TotalNA       Water       SM 2540C       Analysis Batch: 234128         Lab Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batcl         800-99801-1       Lands Colombia WWTP       TotalNA       Water       350.1       Prep Batcl         800-99801-1       Lands Colombia WWTP       TotalNA       Water       351.2       23366         1258 802-233058/A       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Batcl         1268 802-339805/A       Lab Control Sample ID       TotalNA       Water       351.2       23366         1268 802-339805/A       Lab Control Sample Dup       TotalNA       Water       351.2       23366         1268 802-339805/A       Lab Control Sample Dup       TotalNA       Water       351.2       233861         1268 802-339805/A       Lab Control Sample Dup       TotalNA       Water       351.2       233861        1268 802-339805/A       L	LLCS 860-233963/5-A	Lab Control Sample	Total/NA	Water	351.2	
Lab Sample ID         Client Sample ID         Prog Type         Matrix         Method         Prop Batcl           880 0-99001-1         Lando Coloniso WWTP         Tosal/NA         Water         SM 2540C           MB 860-230406/21         Lab Control Sample         Tosal/NA         Water         SM 2540C           Analysis Batch: 234128         Lab Control Sample ID         Prop Type         Matrix         Method         Prop Batcl           680-99901-1         Lando Coloniba WWTP         Tosal/NA         Water         300.1         Prop Batcl           840-99901-1         Lando Coloniba WWTP         Tosal/NA         Water         351.2         233965           840-99901-1         Lando Coloniba WWTP         Total/NA         Water         351.2         233965           NB 800-233983/F.A         Lab Control Sample D         Prop Type         Matrix         Wethod         Prop Batcl           ICS 800-233983/F.A         Lab Control Sample D         Total/NA         Water         351.2         233965           LCS 800-233983/F.A         Lab Control Sample D         Prop Type         Matrix         Method         Prop Batcl           800-9901-1         Lando Coloniba W/TP         Total/NA         Water         351.2         233965           LC	Analysis Batch: 23404	6				
B66-89601-1         Lando Colombia WWTP         TotalNA         Water         SM 2540C           B48 505-23404671         Mathod Blank         TotalNA         Water         SM 2540C           LdS 380-234048/2         Lab Control Sample         TotalNA         Water         SM 2540C           Analysis Batch: 234128         Client Sample ID         Prep Type         Matrix         Method         Prep Batcl           860-99801-1         Lando Colombia WWTP         TotalNA         Water         360.1         Prep Batcl           860-99801-1         Lando Colombia WWTP         TotalNA         Water         351.2         23360:           M8 800-233983/4-A         Method Blank         TotalNA         Water         351.2         23360:           LCS 800-233983/4-A         Lab Control Sample D         TotalNA         Water         351.2         23360:           LCS 800-233983/4-A         Lab Control Sample D         TotalNA         Water         351.2         23360:           LCS 800-233983/4-A         Lab Control Sample D         TotalNA         Water         351.2         23360:           LCS 800-234983/7-A         Lab Control Sample D         TotalNA         Water         351.2         23360:           LCS 800-234983/7-A         Lab Control Sampl	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NB 880-2340401       Method Blank       TotalNA       Water       SN 2500C         LCS 880-2340402       Lab Control Sample       TotalNA       Water       SM 2540C         LuS 3800-2340402       Lab Control Sample       Prep Type       Matrix       Method       Prep Batcl         4800-99801-1       Lardo Colombia WWTP       TotalNA       Water       360.1       Prep Batcl         6800-99801-1       Lardo Colombia WWTP       TotalNA       Water       351.2       233963         C62 860-23398376-A       Lab Control Sample       TotalNA       Water       351.2       233963         LCS 860-23398376-A       Lab Control Sample       TotalNA       Water       351.2       233963         LCS 860-23398376-A       Lab Control Sample       TotalNA       Water       351.2       233963         LCS 860-23398376-A       Lab Control Sample       TotalNA       Water       351.2       233963         LGS 860-2342640       Lab Control Sample       TotalNA       Water       351.2       233963         LGS 860-2342640       Lab Control Sample       TotalNA       Water       SM 22006       Prep Batcl         605 99801-1       Lardo Colombia WWTP       TotalNA       Water       SM 22008       SM 22008       <	860-99801-1	Lardo Colombia WWTP	Total/NA	Water	SM 2540C	
LCS 880-23406/2     Lab Control Sample ID     Prop Type     Matrix     Method     Prop Batcl       880-9801-1     Lards Calombia WWTP     Total/NA     Water     360.1       Analysis Batch: 234231     Elient Sample ID     Prop Type     Matrix     Method     Prop Batcl       880-9801-1     Lards Calombia WWTP     Total/NA     Water     351.2     233963       MB 860-2339834-A     Lab Ontrol Sample     Total/NA     Water     351.2     233963       LCS 860-2339834-A     Lab Control Sample     Total/NA     Water     351.2     233963       LCS 860-2339834-A     Lab Control Sample Dup     Total/NA     Water     351.2     233963       LCS 860-2339834-A     Lab Control Sample Dup     Total/NA     Water     351.2     233963       LCS 860-2339834-A     Lab Control Sample Dup     Total/NA     Water     351.2     233963       Matrix     Method     Barter     351.2     233963     233963       LCS 860-23426563     Lab Control Sample Dup     Total/NA     Water     351.2     233963       LGS 860-23426564     Lab Control Sample Dup     Total/NA     Water     SM 22008       LGS 860-23426563     Lab Control Sample Dup     Total/NA     Water     SM 22008       LGS 860-2342664 <td< td=""><td>MB 860-234046/1</td><td>Method Blank</td><td>Total/NA</td><td>Water</td><td>SM 2540C</td><td></td></td<>	MB 860-234046/1	Method Blank	Total/NA	Water	SM 2540C	
Analysis Batch: 234128       Lado Colombia WWTP       Prop Type       Matrix       Melnod       Prop Batcl         480-99801-1       Lado Colombia WWTP       Total/NA       Water       360:1         1ab Sample ID       Client Sample ID       Client Sample ID       Prop Batcl         1ab Sample ID       Client Sample ID       Prop Batcl         1cS8 D80-2339637-A       Lab Control Sample       Total/NA         1cS8 D80-2339637-A       Lab Control Sample       Total/NA         1cD5 860-2339637-A       Lab Control Sample       Total/NA         1cD5 860-2345607       Lab Control Sample D       Prop Type         1cD5 860-2345607       Lab Control Sample D       Total/NA         1cS8 860-2345614       Lab Control Sample D       Total/NA         1cS8 860-2	LCS 860-234046/2	Lab Control Sample	Total/NA	Water	SM 2540C	
Lab Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batcl           Analysis Batch: 234231         Client Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batcl           B60-99801-1         Lardo Colombia WWTP         Total/NA         Water         351.2         233867           MB 860-233963/FA         Lab Control Sample         Total/NA         Water         351.2         233987           LCS 860-233963/FA         Lab Control Sample Dup         Total/NA         Water         351.2         233987           LCS 860-233963/FA         Lab Control Sample Dup         Total/NA         Water         351.2         233987           LCS 860-2339263/FA         Lab Control Sample Dup         Total/NA         Water         351.2         233987           LGS 860-2339263/FA         Lab Control Sample D         Prep Type         Matrix         Method         Prep Batcl           860-9301-1         Lardo Colombia WWTP         Total/NA         Water         SM 23208            LCS 800-234256/3         Lab Control Sample Dup         Total/NA         Water         SM 22108         23338           CS 800-234256/3         Lab Control Sample D         Prep Type         Matrix<	Analysis Batch: 23412	8				
B60-99801-1         Lardo Colombia WWTP         Total/NA         Water         360.1           Analysis Batch: 234231         Client Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batch           860-99801-1         Lardo Colombia WWTP         Total/NA         Water         351.2         233961           MB 860-233963/4-A         Method Blank         Total/NA         Water         351.2         233961           LCS 860-233963/7-A         Lab Control Sample         Total/NA         Water         351.2         233962           LLCS 860-233963/7-A         Lab Control Sample         Total/NA         Water         351.2         233962           Analysis Batch: 234256         Lab Control Sample D         Prep Type         Matrix         Method         Prep Batch           860-9301-1         Lardo Colombia WWTP         Total/NA         Water         SM 2320B         233962           LCS 860-234256/3         Lab Control Sample D         Prep Type         Matrix         Method         Prep Batch           860-9801-1         Lardo Colombia WWTP         Total/NA         Water         SM 2320B         233962           LCS 860-234256/5         Lab Control Sample D         Prep Type         Matrix         Method	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
Analysis Batch: 234231         Client Sample ID         Client Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batch           8609-9801-1         Lardo Colombia WWTP         TotalINA         Water         351.2         23396;           MB 660-233963/6-A         Lab Control Sample         TotalINA         Water         351.2         23396;           LCS 860-233963/F-A         Lab Control Sample Dup         TotalINA         Water         351.2         23396;           LCS 860-233963/F-A         Lab Control Sample Dup         TotalINA         Water         351.2         23396;           LCS 860-238963/F-A         Lab Control Sample         TotalINA         Water         351.2         23396;           Analysis Batch: 234256         Lab Control Sample         TotalINA         Water         SM 2320B            LCS 800-234256/3         Method Blank         TotalINA         Water         SM 2320B            LCS 800-234256/3         Lab Control Sample Dup         TotalINA         Water         SM 2320B            LCS 800-234256/5         Lab Control Sample Dup         TotalINA         Water         SM 2320B            LCS 800-234456/4         Lab Control Sample Dup         TotalINA	860-99801-1	Lardo Colombia WWTP	Total/NA	Water	360.1	_ <u> </u>
Lab Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batch           860-98001-1         Lardo Colombia WWTP         Total/NA         Water         351.2         233963           LCS 860-233963/6-A         Lab Control Sample         Total/NA         Water         351.2         233963           LCS 860-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           LCS 860-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           LCS 860-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           Analysis Batch: 234256         Lab Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batcl           600-93001-1         Lardo Colombia WWTP         Total/NA         Water         SM 23208         SM 23208           LCS 800-234256/5         Lab Control Sample Dup         Total/NA         Water         SM 23208         SM 23208           Analysis Batch: 234456/1         Lab Control Sample Dup         Total/NA         Water         SM 22108         233361           SC8 860-234456/2         Method Blank         Total/NA <t< td=""><td>Analysis Batch: 23423</td><td>1</td><td></td><td></td><td></td><td></td></t<>	Analysis Batch: 23423	1				
860-98001-1         Lardo Colombia WWTP         Total/NA         Water         351.2         233963           NB 880-233963/F-A         Lab Control Sample         Total/NA         Water         351.2         233963           LCSB 980-233963/F-A         Lab Control Sample         Total/NA         Water         351.2         233963           LCSD 980-233963/F-A         Lab Control Sample         Total/NA         Water         351.2         233963           Analysis Batch:         234256         Total/NA         Water         351.2         233963           Lab Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batch           680-98901-1         Lardo Colombia WWTP         Total/NA         Water         SM 23208         10.2           LCS 860-234256/3         Method Blank         Total/NA         Water         SM 23208         10.2           LCS 860-234256/4         Lab Control Sample Dup         Total/NA         Water         SM 23208         10.2           Analysis Batch:         23456/4         Lab Control Sample Dup         Total/NA         Water         SM 23008         23336           SC8 860-234256/2         Method Blank         Total/NA         Water         SM 52108         233384	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 800-233963/4-A         Method Blank         Total/NA         Water         351.2         233963           LCS 800-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           LCS 800-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           LLCS 800-233963/F-A         Lab Control Sample Dup         Total/NA         Water         351.2         233963           Analysis Batch: 234256         Lab Control Sample D         Prep Type         Matrix         Method         Prep Batch           860-93901-1         Lardo Colombia WVTP         Total/NA         Water         SM 23208         LCS 800-234256/3         Lab Control Sample         Total/NA         Water         SM 23208         LCS D800-234256/5         Lab Control Sample Dup         Total/NA         Water         SM 23208         LCS D800-234256/5         Lab Control Sample Dup         Total/NA         Water         SM 23208         Z23336         SM 23208         Z23336         Z23336         Z23336         Z23365         Z	860-99801-1	Lardo Colombia WWTP	Total/NA	Water	351.2	233963
LCS 860-233963/6-A         Lab Control Sample         Total/NA         Water         351.2         233963           LCS 860-233963/F.A         Lab Control Sample         Total/NA         Water         351.2         233963           LCS 860-233963/F.A         Lab Control Sample         Total/NA         Water         351.2         233963           Analysis Batch:         234256          Status         Status         233963           Lab Sample ID         Client Sample ID         Prep Type         Matrix         Method         Prep Batch           660-93801-1         Lab Control Sample         Total/NA         Water         SM 2320B         Status           LCS 860-234256/3         Lab Control Sample         Total/NA         Water         SM 2320B         Status           LCS 860-234256/5         Lab Control Sample Dup         Total/NA         Water         SM 2320B         Status           LCS 860-234256/5         Lab Control Sample Dup         Total/NA         Water         SM 2320B         Status           LCS 860-234256/5         Lab Control Sample Dup         Prep Type         Matrix         Method         Prep Batch           2605 860-234256/2         Method Blank         Total/NA         Water         SM 5210B         233364 </td <td>MB 860-233963/4-A</td> <td>Method Blank</td> <td>Total/NA</td> <td>Water</td> <td>351.2</td> <td>233963</td>	MB 860-233963/4-A	Method Blank	Total/NA	Water	351.2	233963
LCSD 860-233963/F-A       Lab Control Sample Dup       Total/NA       Water       351.2       233963         LLCS 860-233963/F-A       Lab Control Sample       Total/NA       Water       351.2       233963         Analysis Batch:       233963/F-A       Lab Control Sample D       Prep Type       Matrix       Method       Prep Batcl         860-93901-1       Lardo Colombia WWTP       Total/NA       Water       SM 2320B       Prep Batcl         108 860-234256/3       Method Blank       Total/NA       Water       SM 2320B       SM 2320B         LCS 860-234256/5       Lab Control Sample Dup       Total/NA       Water       SM 2320B       SM 2320B         Analysis Batch:       234456/3       Lab Control Sample Dup       Total/NA       Water       SM 2320B       SM 2320B         Analysis Batch:       234456/3       Lab Control Sample Dup       Total/NA       Water       SM 5210B       233362         SCB 860-234456/3       Lardo Colombia WWTP       Total/NA       Water       SM 5210B       233362         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       233362         Analysis Batch:       234456/3       Lab Control Sample       Total/NA       Water       SM 2510B       Pre	LCS 860-233963/6-A	Lab Control Sample	Total/NA	Water	351.2	233963
LLCS 860-233963/5-A       Lab Control Sample       Total/NA       Water       351.2       233963         Analysis Batch: 234256         Lab Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-93901-1       Lab Control Sample       Total/NA       Water       SM 2320B       Prep Batch         105.860-234256/3       Method Blank       Total/NA       Water       SM 2320B       Prep Batch         105.860-234256/5       Lab Control Sample       Total/NA       Water       SM 2320B       Prep Batch         105.860-234256/5       Lab Control Sample Dup       Total/NA       Water       SM 2320B       Prep Batch         205.08 60-234456/5       Lab Control Sample DU       Prep Type       Matrix       Method       Prep Batch         205.08 60-234456/1       Method Blank       Total/NA       Water       SM 5210B       23336         105.860-234456/1       Method Blank       Total/NA       Water       SM 5210B       23336         105.860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       Prep Batch         206-93801-1       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Batch         860-93801-1	LCSD 860-233963/7-A	Lab Control Sample Dup	Total/NA	Water	351.2	233963
Analysis Batch: 234256         Lab Sample ID       Client Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         M6860-234256/3       Method Blank       Total/NA       Water       SM 2320B       Prep Batch         LCS 860-234256/3       Lab Control Sample       Total/NA       Water       SM 2320B       SM 2320B         LCS 860-234256/5       Lab Control Sample Dup       Total/NA       Water       SM 2320B       SM 2320B         Analysis Batch:       Client Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         268 680-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         USB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       2400         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5240D       2	LLCS 860-233963/5-A	Lab Control Sample	Total/NA	Water	351.2	233963
Lab Sample IDClient Sample IDProp TypeMatrixMethodProp Batcl860-99801-1Lardo Colombia WWTPTotal/NAWaterSM 2320BProp BatclMB 860-234256/3Method BlankTotal/NAWaterSM 2320BSM 2320BLCS 860-234256/4Lab Control SampleTotal/NAWaterSM 2320BSM 2320BLCSD 860-234256/5Lab Control Sample DupTotal/NAWaterSM 2320BSM 2320BAnalysis Batch: 234456Client Sample IDPrep TypeMatrixMethodPrep Batcl860-9391-1Lardo Colombia WVTPTotal/NAWaterSM 5210B233336SCB 860-234456/2Method BlankTotal/NAWaterSM 5210B233336USB 860-234456/3Lab Control SampleTotal/NAWaterSM 5210B233336LCS 860-234456/3Lab Control SampleTotal/NAWaterSM 5210B23336MatrixMethod BlankTotal/NAWaterSM 5210B23336LCS 860-234456/3Lab Control SampleTotal/NAWaterSM 5210BAnalysis Batch: 234491Lardo Colombia WWTPTotal/NAWaterSM 5210BPrep Batch860-99801-1Lardo Colombia WWTPTotal/NAWaterSM 2540DMethod BlankLCS 860-234491/2Lab Control SampleTotal/NAWaterSM 2540DPrep Batch860-99801-1Lardo Colombia WWTPTotal/NAWaterSM 2510BPrep Batch860-934502/2Lab Control SampleTotal/NA<	Analysis Batch: 23425	6				
860-99901-1       Lardo Colombia WWTP       Total/NA       Water       SM 2320B         MB 860-234256/3       Method Blank       Total/NA       Water       SM 2320B         LCS 860-234256/4       Lab Control Sample Dup       Total/NA       Water       SM 2320B         Analysis Batch: 234456       Station Sample D       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-93001-1       Lardo Colombia WWTP       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         USB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         Analysis Batch: 234491       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Batch         860-39401-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batch         860-39401-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D	Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
MB 860-234256/3       Method Blank       Total/NA       Water       SM 2320B         LCS 860-234256/4       Lab Control Sample       Total/NA       Water       SM 2320B         Analysis Batch: 234456       Lab Control Sample ID       Client Sample ID       Prep Batcf         860-934256/2       Method Blank       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       233336         SCB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         USB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       200B         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       Prep Batcf         Analysis Batch: 234491       Lab Control Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batcf         860-9301-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batcf         MB 860-234491/2       Lab Control Sample       Total/NA       Water       SM 2540D	860-99801-1	Lardo Colombia WWTP	Total/NA	Water	SM 2320B	
LCS 860-234256/4       Lab Control Sample       Total/NA       Water       SM 2320B         LCS D 860-234256/5       Lab Control Sample Dup       Total/NA       Water       SM 2320B         Analysis Batch: 234456       Edient Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 5210B       23336         SCB 860-234456/1       Method Blank       Total/NA       Water       SM 5210B       23336         USB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         Analysis Batch: 234491       Lab Control Sample       Total/NA       Water       SM 2540D       Prep Batch         860-9301-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batch         MB 860-234491/2       Lab Control Sample       Total/NA       Water       SM 2540D       Prep Batch         Analysis Batch: 234502       Lab Control Sample       Total/NA	MB 860-234256/3	Method Blank	Total/NA	Water	SM 2320B	
LCSD 860-234256/5       Lab Control Sample Dup       Total/NA       Water       SM 2320B         Analysis Batch: 234456       Eab Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         USB 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         Analysis Batch: 234491       Lab Control Sample       Total/NA       Water       SM 5210B       Prep Batch         Assample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batch         860-234491/1       Method Blank       Total/NA       Water       SM 2540D       Prep Batch         Analysis Batch: 234502       Lab Control Sample       Total/NA       Water       SM 2540D       Prep Batch         860-99801-1       Lab Control Sample       T	LCS 860-234256/4	Lab Control Sample	Total/NA	Water	SM 2320B	
Analysis Batch: 234456       Client Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 5210B       23336         SCB 860-234456/2       Method Blank       Total/NA       Water       SM 5210B       23336         USB 860-234456/1       Method Blank       Total/NA       Water       SM 5210B       23336         LCS 860-234456/3       Lab Control Sample       Total/NA       Water       SM 5210B       23336         Analysis Batch: 234491       Method Blank       Total/NA       Water       SM 5210B       Prep Batch         Absonpie ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-93801-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batch         M8 860-234491/1       Method Blank       Total/NA       Water       SM 2540D       Prep Batch         LCS 860-234491/2       Lab Control Sample       Total/NA       Water       SM 2540D       Prep Batch         Analysis Batch: 234502       Lab Control Sample ID       Prep Type       Matrix       Method       Prep Type       Matrix       Method       Prep Batch	LCSD 860-234256/5	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
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Analysis Batch: 234491         Lab Sample ID       Client Sample ID       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 2540D       Prep Batch         MB 860-234491/1       Method Blank       Total/NA       Water       SM 2540D       Prep Batch         LCS 860-234491/2       Lab Control Sample       Total/NA       Water       SM 2540D       Prep Batch         Analysis Batch: 234502       Lab Control Sample       Prep Type       Matrix       Method       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 2510B       Prep Batch         860-99801-1       Lardo Colombia WWTP       Total/NA       Water       SM 2510B       Prep Batch         MB 860-234502/2       Method Blank       Total/NA       Water       SM 2510B       Exceeded and and and and and and and and and an	LCS 860-234456/3	Lab Control Sample	Total/NA	Water	SM 5210B	
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860-99801-1 DU Lardo Colombia WWTP Total/NA Water SM 2510B	LCSD 860-234502/4	Lab Control Sample Dup	Total/NA	Water	SM 2510B	
	860-99801-1 DU	Lardo Colombia WWTP	Total/NA	Water	SM 2510B	

# **QC Association Summary**

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

### **General Chemistry**

#### Analysis Batch: 234538

Lab Sample ID 860-99801-1	Client Sample ID Lardo Colombia WWTP	Prep Type Total/NA	Matrix Water	Method SM 4500 H+ B	Prep Batch
Analysis Batch: 23455	2				
Lab Sample ID 860-99801-1	Client Sample ID Lardo Colombia WWTP	Prep Type Total/NA	Matrix Water	Method 1664B	Prep Batch
MB 860-234552/1	Method Blank	Total/NA	Water	1664B	
LCS 860-234552/2	Lab Control Sample	Total/NA	Water	1664B	
LCSD 860-234552/3	Lab Control Sample Dup	Total/NA	Water	1664B	
Analysis Batch: 23542	7				
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-99801-1	Lardo Colombia WWTP	Total/NA	Water	365.1	
MB 860-235427/43	Method Blank	Total/NA	Water	365.1	
LCS 860-235427/44	Lab Control Sample	Total/NA	Water	365.1	
LCSD 860-235427/45	Lab Control Sample Dup	Total/NA	Water	365.1	

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

#### Client Sample ID: Lardo Colombia WWTP Date Collected: 05/01/25 10:45 Date Received: 05/02/25 09:07

#### Lab Sample ID: 860-99801-1 Matrix: Water

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
lotal/NA	Analysis	300.0		1			233119	05/02/25 21:21	W1N	EET HOU
lotal/NA	Analysis	300.0		1			233120	05/02/25 21:21	W1N	EET HOU
lotal/NA	Analysis	1664B		1	900 mL	1000 mL	234552	05/08/25 15:29	ТВ	EET HOU
lotal/NA	Analysis	350.1		1	10 mL	10 mL	233539	05/02/25 23:51	BW	EET HOU
lotal/NA	Prep	351.2			20 mL	20 mL	233963	05/06/25 18:44	MK	EET HOU
lotal/NA	Analysis	351.2		50			234231	05/07/25 15:53	MLEI	EET HOU
lotal/NA	Analysis	360.1		1			234128	05/07/25 11:33	MR	EET HOU
lotal/NA	Analysis	365.1		10	10 mL	10 mL	235427	05/13/25 00:40	BW	EET HOU
lotal/NA	Analysis	SM 2320B		1			234256	05/07/25 12:44	СТ	EET HOU
lotal/NA	Analysis	SM 2510B		1			234502	05/08/25 13:20	MR	EET HOU
lotal/NA	Analysis	SM 2540C		1	100 mL	200 mL	234046	05/07/25 09:34	TR	EET HOU
lotal/NA	Analysis	SM 2540D		1	980 mL	1000 mL	234491	05/08/25 13:07	AP	EET HOU
lotal/NA	Analysis	SM 4500 CI G		10	10 mL	10 mL	233840	05/06/25 12:24	SCI	EET HOU
lotal/NA	Analysis	SM 4500 H+ B		1			234538	05/08/25 14:21	MR	EET HOU
lotal/NA	Prep	BOD Prep					233336	05/03/25 09:48	TV	EET HOU
lotal/NA	Analysis	SM 5210B		1	200 mL	300 mL	234456	05/03/25 10:38	MR	EET HOU

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

### Accreditation/Certification Summary

Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

#### Job ID: 860-99801-1

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	08-31-25
Texas	NELAP	T104704215	07-01-26
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

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Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET HOU
1664B	HEM and SGT-HEM	1664B	EET HOU
350.1	Nitrogen, Ammonia	EPA	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
360.1	Oxygen, Dissolved	EPA	EET HOU
365.1	Phosphorus, Total	EPA	EET HOU
SM 2320B	Alkalinity	SM	EET HOU
SM 2510B	Conductivity, Specific Conductance	SM	EET HOU
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET HOU
SM 2540D	Solids, Total Suspended (TSS)	SM	EET HOU
SM 4500 CI G	Chlorine, Residual	SM	EET HOU
SM 4500 H+ B	pH	SM	EET HOU
SM 5210B	BOD, 5-Day	SM	EET HOU
351.2	Nitrogen, Total Kjeldahl	EPA	EET HOU
BOD Prep	Preparation, BOD	SM	EET HOU

#### Protocol References:

1664B = EPA-821-98-002

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

#### Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

### Sample Summary

#### Client: City of Laredo Project/Site: Permit Sample Laredo Colombia, 05/01/25

Job ID: 860-99801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
860-99801-1	Lardo Colombia WWTP	Water	05/01/25 10:45	05/02/25 09:07

Eurofins Houston														i		
4145 Steenorar Ur Stafford TX 77477 Phone (281) 240-4200	Ċ	nain o	of Cust	ody R	9COI	ס								🖨 eurotins	Environment Testing	
Client Information	Sampler			Lab Ph Maing	ic Line	2				Can	er Trackir	g No(s):		COC No: 560-52932-912:	2.1	_
Client Contact Robert Estrada	Phone:			E-Mail: Lindv	Maingo	t@et.e	urofinsi	IS.COM		State	a Origin			Page: Page 1 of 1		
Company: City of Laredo			WSID:		ľ	,		Analy	sis R		sted			.# qof		
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City. Laredo	TAT Requested (days)	ä						<u>1080</u>						S H2SQ4 N None A HCI		
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#### Login Sample Receipt Checklist

Client: City of Laredo

#### Login Number: 99801 List Number: 1 Creator: Rubio, Yuri

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 860-99801-1

List Source: Eurofins Houston

#### ATTACHMENT I

Soil Map Wks 3.0, Section 8.A



N	IAP LEGEND	MAP INFORMATION
Area of Interest (AOI) Area of Interest	(AOI) Stony Spot	The soil surveys that comprise your AOI were mapped at 1:31,700.
Soils Soil Map Unit Pr	Very Stony Spot	Warning: Soil Map may not be valid at this scale.
Soil Map Unit Li	w Wet Spot	Enlargement of maps beyond the scale of mapping can ca misunderstanding of the detail of mapping and accuracy or
Soil Map Unit Po	oints Other	line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more de
Special Point Features	Special Line Features	scale.
Blowout	Water Features	Place roly on the bar scale on each man sheet for man
Borrow Pit	Streams and Canals	measurements.
Clay Spot	Transportation ++++ Rails	Source of Map: Natural Resources Conservation Service
Closed Depress	ion 🛛 🗾 Interstate Highways	Coordinate System: Web Mercator (EPSG:3857)
💥 🛛 Gravel Pit	JS Routes	Maps from the Web Soil Survey are based on the Web Me
Gravelly Spot	Maior Roads	projection, which preserves direction and shape but distort
🚳 Landfill		distance and area. A projection that preserves area, such a Albers equal-area conic projection, should be used if more
A Lava Flow	Packground	accurate calculations of distance or area are required.
Marsh or swamp	Aerial Photography	This product is generated from the USDA-NRCS certified on the version date(s) listed below.
Mine or Quarry		Soil Survey Area: Webb County Texas
Miscellaneous V	/ater	Survey Area Data: Version 22, Aug 30, 2024
Perennial Water		Soil map units are labeled (as space allows) for map scale
Rock Outcrop		1:50,000 or larger.
Saline Spot		Date(s) aerial images were photographed: Nov 7, 2021– 2022
Sandy Spot		The orthophoto or other base map on which the soil lines i
Severely Eroded	l Spot	compiled and digitized probably differs from the backgrour
Sinkhole		imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.
Slide or Slip		
Sodic Spot		



# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
LgA	Lagloria silt loam, 0 to 1 percent slopes	6.4	81.3%
MCE	Maverick-Catarina complex, gently rolling	1.5	18.7%
Totals for Area of Interest		7.8	100.0%



#### ATTACHMENT J

Soil Analyses Wks 3.0, Section 8.B



**Environment Testing** 

# **ANALYTICAL REPORT**

# PREPARED FOR

Attn: Robert Estrada City of Laredo 5816 Daugherty Avenue Laredo, Texas 78041 Generated 12/31/2024 4:18:26 PM

# **JOB DESCRIPTION**

Irrigated Root Zone (Table H), 12/17/24

# **JOB NUMBER**

560-123193-1

Eurofins Corpus Christi 1733 N. Padre Island Drive Corpus Christi TX 78408

See page two for job notes and contact information.





# **Eurofins Corpus Christi**

# Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

# Authorization

Generated 12/31/2024 4:18:26 PM

5

Authorized for release by Lindy Maingot, Project Manager II Lindy.Maingot@et.eurofinsus.com (210)344-9751
### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

2

### Qualifiers

Qualifiers		
General Chemi	stry	
Qualifier	Qualifier Description	
HF	Parameter with a holding time of 15 minutes. Test performed by laboratory at client's request. Sample was analyzed outside of hold time.	_
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.	5
Glossary		6
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¢	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	0
CFU	Colony Forming Unit	0
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	9
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¢.	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

### Job ID: 560-123193-1

### **Eurofins Corpus Christi**

### Job Narrative 560-123193-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these
  situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise
  specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 12/18/2024 11:20 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.3°C.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### **General Chemistry**

Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: Laredo Columbia 0-6" (560-123193-1), Laredo Columbia 6-18" (560-123193-2) and Laredo Columbia 18-30" (560-123193-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

### Client Sample ID: Laredo Columbia 0-6"

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	3.6		0.95	0.66	mg/Kg	1	_	9056A	Total/NA
Nitrate Nitrite as N	3.6		0.95	0.48	mg/Kg	1		9056A	Total/NA
Phosphorus	260		3.3	1.6	mg/Kg	1		6010B	Total/NA
Potassium	1600		42	12	mg/Kg	1		6010B	Total/NA
Ammonia	1.9		1.1	0.28	mg/Kg	1		350.1	Total/NA
Nitrogen, Kjeldahl	1000		160	79	mg/Kg	20		351.2	Total/NA
soil pH measured in water at deg C	7.8	HF	0.1	0.1	SU	1		9045D	Total/NA
Total Nitrogen	1000		0.20	0.098	mg/Kg	1		Total Nitrogen	Total/NA
Specific Conductance	1200		10	10	umho/cm @ 25C	1		SM 2510B	Soluble

### Client Sample ID: Laredo Columbia 6-18"

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	3.6		0.99	0.69	mg/Kg	1	_	9056A	Total/NA
Nitrate Nitrite as N	3.6		0.99	0.50	mg/Kg	1		9056A	Total/NA
Phosphorus	280		3.3	1.6	mg/Kg	1		6010B	Total/NA
Potassium	2400		42	12	mg/Kg	1		6010B	Total/NA
Nitrogen, Kjeldahl	760		160	79	mg/Kg	20		351.2	Total/NA
soil pH measured in water at deg C	7.8	HF	0.1	0.1	SU	1		9045D	Total/NA
Total Nitrogen	760		0.20	0.098	mg/Kg	1		Total Nitrogen	Total/NA
Specific Conductance	2800		10	10	umho/cm @ 25C	1		SM 2510B	Soluble

### Client Sample ID: Laredo Columbia 18-30"

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	10		0.97	0.67	mg/Kg	1	_	9056A	Total/NA
Nitrate Nitrite as N	10		0.97	0.49	mg/Kg	1		9056A	Total/NA
Phosphorus	310		3.4	1.7	mg/Kg	1		6010B	Total/NA
Potassium	1900		43	12	mg/Kg	1		6010B	Total/NA
Ammonia	0.66	J	1.2	0.31	mg/Kg	1		350.1	Total/NA
Nitrogen, Kjeldahl	700		160	79	mg/Kg	20		351.2	Total/NA
soil pH measured in water at deg C	7.7	HF	0.1	0.1	SU	1		9045D	Total/NA
Total Nitrogen	710		0.20	0.098	mg/Kg	1		Total Nitrogen	Total/NA
Specific Conductance	3100		10	10	umho/cm @ 25C	1		SM 2510B	Soluble

Job ID: 560-123193-1

# Lab Sample ID: 560-123193-1

Lab Sample ID: 560-123193-2

Lab Sample ID: 560-123193-3

### **Client Sample Results**

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

Client Sample ID: Laredo Columbia 0-6"

Date Collected: 12/17/24 10:05

Date Received: 12/18/24 11:20

Job ID: 560-123193-1

	3193-1 x: Solid	le ID: 560-12 Matri	Lab Sampl
Ì	Dil Fac	Analyzed	Prepared
ĩ	1	12/26/24 18:33	12/26/24 10:20
	1	12/26/24 18:33	12/26/24 10:20
	Dil Fac	Analyzed	Prepared
	1	12/19/24 21:15	12/19/24 13:30
ł	1	12/19/24 21:15	12/19/24 13:30
ŝ	Dil Fac	Analyzed	Prepared
	1	12/23/24 15:10	12/20/24 19:05
	20	12/31/24 13:50	12/30/24 13:56
	1	12/19/24 11:14	

Method: SW846 9056A - Anions, lo	n Chromatog	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	3.6		0.95	0.66	mg/Kg		12/26/24 10:20	12/26/24 18:33	1
Nitrate Nitrite as N	3.6		0.95	0.48	mg/Kg		12/26/24 10:20	12/26/24 18:33	1
Method: SW846 6010B - Metals (IC	P)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	260		3.3	1.6	mg/Kg		12/19/24 13:30	12/19/24 21:15	1
Potassium	1600		42	12	mg/Kg		12/19/24 13:30	12/19/24 21:15	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	1.9		1.1	0.28	mg/Kg		12/20/24 19:05	12/23/24 15:10	1
Nitrogen, Kjeldahl (EPA 351.2)	1000		160	79	mg/Kg		12/30/24 13:56	12/31/24 13:50	20
soil pH measured in water at deg	7.8	HF	0.1	0.1	SU			12/19/24 11:14	1
Percent Moisture (EPA Moisture)	5.8		0.1	0.1	%			12/18/24 15:05	
Percent Solids (EPA Moisture)	94.2		0.1	0.1	%			12/18/24 15:05	1
Total Nitrogen (EPA Total	1000		0.20	0.098	ma/Ka			12/31/24 16:04	1
Nitrogen)					5 5				
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	1200		10	10	umho/cm @ 25C			12/27/24 16:38	1
Client Sample ID: Laredo Colu	mbia 6-18	•					Lab Samp	le ID: 560-12	3193-2
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20	imbia 6-18'	•					Lab Samp	le ID: 560-12 Matri	3193-2 x: Solid
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io	mbia 6-18	' araphy					Lab Samp	le ID: 560-12 Matri	3193-2 x: Solid
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte	n Chromatog Result	graphy Qualifier	RL	MDL	Unit	D	Lab Samp	le ID: 560-12 Matri Analyzed	3193-2 x: Solid Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N	n Chromatog Result 3.6	graphy Qualifier	<b>RL</b> 0.99	MDL 0.69	Unit mg/Kg	D	Lab Samp <u>Prepared</u> 12/26/24 10:20	le ID: 560-12 Matri <u>Analyzed</u> 12/26/24 18:48	3193-2 x: Solid 
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N	n Chromatog Result 3.6 3.6	graphy Qualifier	<b>RL</b> 0.99 0.99	MDL 0.69 0.50	Unit mg/Kg mg/Kg	_ <u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20	Le ID: 560-12 Matri Analyzed 12/26/24 18:48 12/26/24 18:48	3193-2 x: Solid Dil Fac 1 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N	n Chromatog Result 3.6 3.6	g <mark>raphy</mark> Qualifier	<b>RL</b> 0.99 0.99	<b>MDL</b> 0.69 0.50	Unit mg/Kg mg/Kg	<u>D</u>	Lab Samp	Le ID: 560-12 Matri Matri 12/26/24 18:48 12/26/24 18:48	3193-2 x: Solid Dil Fac 1 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC	n Chromatog Result 3.6 3.6 P)	g <mark>raphy</mark> Qualifier	<b>RL</b> 0.99 0.99	<b>MDL</b> 0.69 0.50	Unit mg/Kg mg/Kg	_ <u>D</u>	<b>Prepared</b> 12/26/24 10:20 12/26/24 10:20	Le ID: 560-12 Matri Matri 12/26/24 18:48 12/26/24 18:48	3193-2 x: Solid Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte	n Chromatog Result 3.6 3.6 P) Result	graphy Qualifier	RL 0.99 0.99 RL	MDL 0.69 0.50 MDL	Unit mg/Kg mg/Kg Unit	D	Prepared           12/26/24 10:20           12/26/24 10:20           Prepared	Le ID: 560-12 Matri Matri 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48	3193-2 x: Solid Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte Phosphorus	n Chromatog Result 3.6 3.6 P) Result 280	graphy Qualifier	RL           0.99           0.99           RL           3.3	MDL 0.69 0.50 MDL 1.6	Unit mg/Kg mg/Kg Unit mg/Kg	<u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48	3193-2 x: Solid Dil Fac 1 1 1 Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte Phosphorus Potassium	n Chromatog Result 3.6 3.6 P) Result 280 2400	graphy Qualifier	RL         0.99         0.99         RL         3.3         42	MDL 0.69 0.50 MDL 1.6 12	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg	_ D	Prepared           12/26/24 10:20           12/26/24 10:20           Prepared           12/19/24 13:30           12/19/24 13:30	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17	3193-2 x: Solid Dil Fac 1 Dil Fac 1 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte Phosphorus Potassium General Chemistry	n Chromatog Result 3.6 3.6 P) Result 280 2400	Qualifier	RL         0.99         0.99         0.99         8         3.3         42	MDL 0.69 0.50 MDL 1.6 12	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg	_ <u>D</u>	Prepared           12/26/24 10:20           12/26/24 10:20           12/26/24 10:20           Prepared           12/19/24 13:30           12/19/24 13:30	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17	3193-2 x: Solid Dil Fac 1 1 Dil Fac 1 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (ICI Analyte Phosphorus Potassium General Chemistry Analyte	n Chromatog Result 3.6 3.6 P) Result 280 2400 Result	Qualifier	RL         0.99         0.99         0.99         3.3         42         RL	MDL 0.69 0.50 MDL 1.6 12 MDL	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg	_ <u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30 12/19/24 13:30 Prepared	le ID: 560-12 Matri 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17 Analyzed	3193-2 x: Solid Dil Fac 1 1 Dil Fac 1 1 1 Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (ICI Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1)	n Chromatog Result 3.6 3.6 P) <u>Result</u> 280 2400 <u>Result</u> <0.30	Qualifier	RL           0.99           0.99           RL           3.3           42           RL           1.1	MDL 0.69 0.50 MDL 1.6 12 MDL 0.30	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg Unit mg/Kg	_ <u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 19:05	le ID: 560-12 Matri 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17	3193-2 x: Solid Dil Fac 1 1 1 Dil Fac 1 1 1 Dil Fac
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (ICI Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1) Nitrogen, Kjeldahl (EPA 351.2)	n Chromatog Result 3.6 3.6 P) Result 280 2400 <u>Result</u> <0.30 760	Qualifier	RL         0.99         0.99         RL         3.3         42         RL         1.1         160	MDL 0.69 0.50 MDL 1.6 12 MDL 0.30 79	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg Mg/Kg mg/Kg	_ D _ D	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 12/26/24 10:20 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 19:05 12/30/24 13:56	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17 12/23/24 15:13 12/31/24 13:51	3193-2 x: Solid Dil Fac 1 1 1 Dil Fac 1 1 1 Dil Fac 1 20
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (ICI Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1) Nitrogen, Kjeldahl (EPA 351.2) soil pH measured in water at deg C (SW846 9045D)	n Chromatog Result 3.6 3.6 P) Result 280 2400 <u>Result</u> <0.30 760 7.8	Qualifier	RL           0.99           0.99           RL           3.3           42           RL           1.1           160           0.1	MDL 0.69 0.50 MDL 1.6 12 MDL 0.30 79 0.1	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg SU	_ <u>D</u> _ <u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 13:56	Analyzed           12/26/24 18:48           12/26/24 18:48           12/26/24 18:48           12/26/24 18:48           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/19/24 21:17           12/23/24 15:13           12/31/24 13:51           12/19/24 11:14	3193-2 x: Solid Dil Fac 1 1 1 Dil Fac 1 1 Dil Fac 1 20 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1) Nitrogen, Kjeldahl (EPA 351.2) soil pH measured in water at deg C (SW846 9045D) Percent Moisture (EPA Moisture)	n Chromatog Result 3.6 3.6 P) Result 280 2400 Result <0.30 760 7.8 6.0	Qualifier	RL         0.99         0.99         RL         3.3         42         RL         1.1         160         0.1	MDL 0.69 0.50 MDL 1.6 12 MDL 0.30 79 0.1	Unit mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg SU	_ <u>D</u> _ <u>D</u>	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 12/26/24 10:20 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 13:56	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17 Analyzed 12/23/24 15:13 12/31/24 13:51 12/19/24 11:14 12/18/24 15:05	3193-2 x: Solid Dil Fac 1 1 1 Dil Fac 1 1 Dil Fac 1 20 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (IC Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1) Nitrogen, Kjeldahl (EPA 351.2) soil pH measured in water at deg C (SW846 9045D) Percent Moisture (EPA Moisture) Percent Solids (EPA Moisture)	n Chromatog Result 3.6 3.6 P) Result 280 2400 Result <0.30 760 7.8 6.0 94.0	Qualifier	RL         0.99         0.99         RL         3.3         42         RL         1.1         160         0.1         0.1         0.1         0.1	MDL 0.69 0.50 MDL 1.6 12 0.30 79 0.1 0.1 0.1	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg mg/Kg SU % %	_ D _ D	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 19:05 12/30/24 13:56	le ID: 560-12 Matri Matri 2/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/29/24 18:48 Analyzed 12/19/24 21:17 12/19/24 21:17 12/19/24 15:13 12/31/24 15:13 12/19/24 15:05 12/18/24 15:05	3193-2 x: Solid Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 20 1 1 1 20 1 1
Client Sample ID: Laredo Colu Date Collected: 12/17/24 10:05 Date Received: 12/18/24 11:20 Method: SW846 9056A - Anions, Io Analyte Nitrate as N Nitrate Nitrite as N Method: SW846 6010B - Metals (ICI Analyte Phosphorus Potassium General Chemistry Analyte Ammonia (EPA 350.1) Nitrogen, Kjeldahl (EPA 351.2) soil pH measured in water at deg C (SW846 9045D) Percent Moisture (EPA Moisture) Percent Solids (EPA Moisture) Percent Solids (EPA Moisture) Total Nitrogen (EPA Total Nitrogen)	n Chromatog Result 3.6 3.6 P) Result 280 2400 Result <0.30 760 7.8 6.0 94.0 760	Qualifier Qualifier	RL         0.99         0.99         RL         3.3         42         RL         1.1         160         0.1         0.1         0.20	MDL 0.69 0.50 MDL 1.6 12 0.30 79 0.1 0.1 0.1 0.1 0.098	Unit mg/Kg mg/Kg Unit mg/Kg mg/Kg mg/Kg SU % % % mg/Kg	_ D _ D	Lab Samp Prepared 12/26/24 10:20 12/26/24 10:20 Prepared 12/19/24 13:30 12/19/24 13:30 12/19/24 13:30 Prepared 12/20/24 19:05 12/30/24 13:56	Analyzed 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 12/26/24 18:48 Analyzed 12/19/24 21:17 12/19/24 21:17 12/19/24 21:17 12/23/24 15:13 12/31/24 15:05 12/18/24 15:05 12/18/24 15:05 12/31/24 16:04	3193-2 x: Solid Dil Fac 1 1 Dil Fac 1 1 Dil Fac 1 20 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 1 20 1 1 1 1 20 1 1 1 1 20 1 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 20 1 1 20 1 1 20 1 1 20 1 1 1 20 1 1 1 20 1 1 1 1 1 20 1 1 1 1 1 20 1 1 1 1 1 1 1 20 1 1 1 1 1 1 1 1 1 1 1 1 1

General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	2800		10	10	umho/cm @			12/27/24 16:38	1
					25C				

Eurofins Corpus Christi

12/31/2024

### **Client Sample Results**

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

Client Sample ID: Laredo Columbia 18-30"

Date Collected: 12/17/24 10:05

Date Received: 12/18/24 11:20

Job ID: 560-123193-1

# Lab Sample ID: 560-123193-3 Matrix: Solid

5

_ Method: SW846 9056A - Anions. Ion C	hromato	graphy							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	10		0.97	0.67	mg/Kg		12/26/24 10:20	12/26/24 19:03	1
Nitrate Nitrite as N	10		0.97	0.49	mg/Kg		12/26/24 10:20	12/26/24 19:03	1
- Method: SW846 6010B - Metals (ICP)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	310		3.4	1.7	mg/Kg		12/19/24 13:30	12/19/24 21:19	1
Potassium	1900		43	12	mg/Kg		12/19/24 13:30	12/19/24 21:19	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia (EPA 350.1)	0.66	J	1.2	0.31	mg/Kg		12/20/24 19:05	12/23/24 15:52	1
Nitrogen, Kjeldahl (EPA 351.2)	700		160	79	mg/Kg		12/30/24 13:56	12/31/24 13:51	20
soil pH measured in water at deg C (SW846 9045D)	7.7	HF	0.1	0.1	SU			12/19/24 11:14	1
Percent Moisture (EPA Moisture)	10.0		0.1	0.1	%			12/18/24 15:05	1
Percent Solids (EPA Moisture)	90.0		0.1	0.1	%			12/18/24 15:05	1
Total Nitrogen (EPA Total	710		0.20	0.098	mg/Kg			12/31/24 16:04	1
_Nitrogen)									
General Chemistry - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance (SM 2510B)	3100		10	10	umho/cm @ 25C			12/27/24 16:38	1

Lab Sample ID: MB 860-207681/1-A

Matrix: Solid

Analyte

Nitrate as N

Analysis Batch: 207670

Method: 9056A - Anions, Ion Chromatography

MB MB

<0.69

Result Qualifier

Job ID: 560-123193-1

Prep Type: Total/NA

# 1 2 3 4 5 6 7 8

 Prep Batch:
 207681

 Prepared
 Analyzed
 Dil Fac

 12/26/24
 12/26/24
 12

 12/26/24
 12/26/24
 12

 12/26/24
 12
 12

**Client Sample ID: Method Blank** 

Nitrate Nitrite as N	<0.50		1.0	0.50 mg/Kg	g	12/2	6/24 10:20	12/26/24 12:5	59 1
Lab Sample ID: LCS 860-207681/2-A Matrix: Solid						Client	Sample	ID: Lab Cont Prep Typ	rol Sample e: Total/NA
Analysis Batch: 207670								Prep Bat	ch: 207681
		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Nitrate as N		100	105		mg/Kg		105	90 - 110	
Lab Sample ID: LCSD 860-207681/3-/	A				Cli	ent San	ple ID: L	ab Control S	ample Dup
Matrix: Solid								Prep Typ	e: Total/NA
Analysis Potch: 207670								Drop Rot	ob: 207694

RL

1.0

MDL Unit

0.69 mg/Kg

D

Analysis Batch: 207670							Prep	Batch: 2	07681
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Nitrate as N	100	105		mg/Kg		105	90 - 110	1	20

### Method: 6010B - Metals (ICP)

Lab Sample ID: MB 860-206628/1-A							Client Sa	mple ID: Metho	d Blank
Matrix: Solid								Prep Type: 1	Total/NA
Analysis Batch: 206845								Prep Batch:	206628
	MB	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phosphorus	<1.9		4.0	1.9	mg/Kg		12/19/24 13:29	12/19/24 20:54	1
Potassium	<14		50	14	mg/Kg		12/19/24 13:29	12/19/24 20:54	1

Lab Sample ID: LCS 860-206628/2-A					Client	Sample	ID: Lab C	ontrol Sample
Matrix: Solid							Prep 1	Type: Total/NA
Analysis Batch: 206845							Prep	Batch: 206628
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Phosphorus	100	103		mg/Kg		103	80 - 120	
Potassium	1000	976		mg/Kg		98	80 - 120	

_									
Lab Sample ID: LCSD 860-206628/3-A				Clier	nt Sam	ple ID: I	Lab Contro	I Sampl	e Dup
Matrix: Solid							Prep 1	ype: To	tal/NA
Analysis Batch: 206845							Prep I	Batch: 2	06628
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Phosphorus	100	103		mg/Kg		103	80 - 120	0	25
Potassium	1000	977		mg/Kg		98	80 - 120	0	20

### **QC Sample Results**

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

Job ID: 560-123193-1

Method: 351.2 - Nitrogen, Total Kjeldani	Method:	351.2 -	Nitrogen,	<b>Total K</b>	jeldahl
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Lab Sample ID: MB 860-208357/19-A Matrix: Solid											Client Sa	ample ID: Prep 1	Method Type: To	l Blank otal/NA
Analysis Batch: 208596												Prep	Batch:	208357
· · ·	МВ	МВ												
Analyte	Result	Qualifier		RL		MDL	Unit		D	P	repared	Analyz	zed	Dil Fac
Nitrogen, Kjeldahl	<0.098			0.20	(	0.098	mg/Kg		_	12/3	0/24 13:56	12/31/24	13:05	1
Lab Sample ID: MB 860-208357/4-A											Client Sa	ample ID:	Method	l Blank
Matrix: Solid												Prep 1	Гуре: То	otal/NA
Analysis Batch: 208596												Prep	Batch:	208357
	MB	MB												
Analyte	Result	Qualifier		RL		MDL	Unit		D	P	repared	Analyz	zed	Dil Fac
Nitrogen, Kjeldahl	<3.9			7.8		3.9	mg/Kg			12/3	0/24 13:55	12/31/24	12:59	1
Lab Sample ID: LCS 860-208357/20-A									С	lient	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid												Prep 1	Гуре: То	otal/NA
Analysis Batch: 208596												Prep	Batch:	208357
			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Nitrogen, Kjeldahl			2.00		1.86			mg/Kg			93	90 - 110		
Lab Sample ID: LCSD 860-208357/21-A								Cli	ient	Sam	ple ID: L	ab Contro	ol Samp	le Dup
Matrix: Solid												Prep	Type: To	otal/NA
Analysis Batch: 208596			Calles		1.000	1.00	<b>_</b>					Prep	Batch:	208357
Analista			Spike Added		LUSD	LUS	D	l lució		-		%Rec	000	RPD
Nitrogen Kieldahl			2.00		1 01	Qua	Inter	ma/Ka		_		90 110		
			2.00		1.01			inging			00	001110	Ũ	20
Lab Sample ID: LLCS 860-208357/5-A									С	lient	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid												Prep 1	Гуре: То	otal/NA
Analysis Batch: 208596												Prep	Batch:	208357
			Spike		LLCS	LLC	S					%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
Nitrogen, Kjeldahl			8.00		9.01			mg/Kg			113	50 - 150		
Method: 9045D - pH														
Lab Sample ID: LCS 560-218776/2									С	lient	Sample	ID: Lab C	ontrol S	Sample
Matrix: Solid												Prep	Type: To	otal/NA
Analysis Batch: 218776													,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
· · ·			Spike		LCS	LCS						%Rec		
Analyte			Added		Result	Qua	lifier	Unit		D	%Rec	Limits		
soil pH measured in water at deg			5.00		5.0			SU			100	95 - 105		
Method: SM 2510B - Conductivity,	Speci	fic Cond	ductanc	е										
Lab Sample ID: MB 860-208053/2											Client Sa	ample ID:	Method	l Blank
Matrix: Solid												Prep	Гуре: То	otal/NA
Analysis Batch: 208053												-		
	MB	MB												
Analyte	Result	Qualifier		RL		MDL	Unit		D	P	repared	Analyz	zed	Dil Fac
Specific Conductance	<10			10		10	umho/	cm @				12/27/24	16:38	1
							200							

### Accreditation/Certification Summary

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### Laboratory: Eurofins Corpus Christi

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Louisiana	NELAP	217201	07-01-25
Oklahoma	NELAP	9968	12-31-24
Texas	NELAP	T104704210	03-31-25

### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-04-25
Florida	NELAP	E871002	06-30-25
Louisiana (All)	NELAP	03054	12-20-25
Oklahoma	NELAP	1306	12-31-24
Texas	NELAP	T104704215	06-30-25
Texas	TCEQ Water Supply	T104704215	12-28-25
USDA	US Federal Programs	525-23-79-79507	03-20-26

Eurofins Corpus Christi

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

Method Description

Nitrogen, Ammonia

Percent Moisture

Nitrogen, Total

Nitrogen, Total Kjeldahl

Nitrogen, Total Kjeldahl

Metals (ICP)

pН

Anions, Ion Chromatography

Conductivity, Specific Conductance

Anions, Ion Chromatography, 10% Wt/Vol

Preparation, Metals, Microwave Assisted

Deionized Water Leaching Procedure

Potassium chloride Extraction (NH3)

Laboratory

EET HOU

EET HOU

EET HOU

EET HOU

EET CC

EET CC

EET HOU

Protocol

SW846

SW846

SW846

EPA

EPA

EPA

SM

EPA

EPA

EPA

EPA

ASTM

SW846

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### Protocol References:

Method

9056A 6010B

350.1

351.2

9045D

Moisture

SM 2510B

300 Prep

3051A

351.2

DI Leach

KCI Extraction

Total Nitrogen

ASTM = ASTM International

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

### Laboratory References:

EET CC = Eurofins Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2471 EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

12/31/2024

### Sample Summary

### Client: City of Laredo Project/Site: Irrigated Root Zone (Table H), 12/17/24

Job ID: 560-123193-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
560-123193-1	Laredo Columbia 0-6"	Solid	12/17/24 10:05	12/18/24 11:20
560-123193-2	Laredo Columbia 6-18"	Solid	12/17/24 10:05	12/18/24 11:20
560-123193-3	Laredo Columbia 18-30"	Solid	12/17/24 10:05	12/18/24 11:20

Christi	ţ
Corpus	
Eurofins	

# 1733 N. Padre Island Drive

# **Chain of Custody Record**



🐝 eurofins | Environment Testing

Corpus Christi, 1X / 3408 Phone (361) 289-2471 Phone (361) 289-2673											г
Client Information	Sampler			Naing Maing	; lot, Lindy ÷	60-123193 Ch	ain of Custody		560-42832-50	92.1	
lient Contact. Zacarte Plant	Phone:			E-Mail: Lindy.	Maingot@et.eu	rofinsus.com			Page: Page 1 of 1		
ompany: Div of Latedo			PWSID:			Analysi	s Requested		<sup>Job #:</sup> 123	3 93	
karitess: 3316 Daugherty Avenue	Due Date Request	sd:			pue				A-HCL	Codes: M Hexane	
lik. aredo	TAT Requested (de	iys):			Wnjsse				B NaOH C Zn Acetate	N NORE O ASNAO2 P Na204S	
state, Zip: TX, 78041	Compliance Projec	tt ∆Yes ∆	No		tog B Pote etute fen				E NaHSO4	Q Na2SO3 R Na2S2O3	
Phone:	PO #: 359675				0) 3, 60101 1, 60101 1, 60101 1, 60101				G Amchlor H Ascorbic Aci	TSP Dodecahydrate U Acetone	
nait cacatelab@ci.laredo.tx.us	# OM				(oN inomi shiomi shill i shill i leioT				J DI Water	V MCAA W PH 4-5	
Project Name: rrigated Root Zone (Table H)	Project #: 56000544				97/9/ 19/29/ nA 1.03 1809 ,H 1809 ,H				nisin EDA	Y Inzma Z other (specify)	
ite: Texas	SSOW#:				и (нол 10490 b 10490 b 100 b				1000 Jo Jo J		r
	Samole Date	Sample Time	Sample Type (C=comp, G=orab)	Matrix (virwater, S=golid, Owensetacial, atertieure, Amair)	351,2_NP TRIPRO		······································		Total Numbe Co C C C	l Instructions/Note:	
outlight itemittenuor	X	$\mathbb{N}$	Preserva	ion Code:	XX N N						
.aredo Columbia 0-6"	h2 LI.21	6001	0	Solid							
Laredo Columbia 6-18"	hz. L1.21	1005	c	Solid							
Laredo Columbia 18-30"	420L10Z1	2001	e)	Solid							
Lake Casa Blanca 0-0"				Solid				++			T
teke Casa Blanca 6-18"				Solid			<u></u> <u></u> 1231	193			+
teice Gese Blanca 18-30"				Solid							— r
Country Club 0-6'				Solid							- 71
Country Glub 6 18"				Solid							1
Country Club 18:30 "				Solid							
					Sample Dist	osal ( A fee ma	v be assessed if	samples are n	etained longer that	1 1 month)	
Possible Hazard Identincation	on B Unkn	OWN F	Zadiological		Special Instr	To Client ctions/QC Redu	Disposal By Internetis:	Lab	Archive For	Months	
Deliverable Nequesies. 1, 14, 14, 14, 00 No. (Species)				ľ	•		A CAMPAGE	of Chinmont			
Empty Kit Relinquished by		Date:			lime:		Memod	or Snipment. Instantions		Company	-1-
Relinquished by: Gerardo Quardi ola	Date/Time: 1211・24	<u>8001</u> @			Received b Deceived b		gora		JULI 0 170		··· •
Relinquished by: Relinquished by:	Date/Time:	HO IN	53		Received b		The second second	Date/Time:	0711 120	Company	
Custody Seals Intact Custody Seal No.					Cooler Ter	perature(s) °C and (	Ther Remarks:	<u>d.1%d,</u>	36 11		1
A Yes A No I										Ver: 01/16/2019	'n

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Ver 10/10/2024						Y	4	ļ								[
٥ <b>ر</b>	(-2 BKDI	narks:	Other Ren	°C and	iture(s)	emper	ooler T	- 0		ļ	-				dy Seals Intact Custody Seal No. Yes A No	Custo
Company	Date Time				$\mathbb{N}$	d by:	tecelve,			Company			hate/Time:		ved by:	Relinquis
Company	Date/Time:					day	(aceive)	7		Company			Jate/ Ilme:		ted by:	Relinquis
Company	Date/Time:					d by:	eceive	20	5	Compage		21 1	7[81] 2] June	FFC.	red by:	Relinquist
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Ver: 10/10/2024

### Login Sample Receipt Checklist

Client: City of Laredo

### Login Number: 123193 List Number: 1

Creator: Stacy, Taylor

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

List Source: Eurofins Corpus Christi

Client: City of Laredo

### Login Number: 123193 List Number: 2 Creator: Baker, Jeremiah

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

Job Number: 560-123193-1

List Source: Eurofins Houston

List Creation: 12/19/24 10:38 AM



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

City of Laredo (CN600131908) operates Laredo/Colombia Solidarity Bridge Wastewater Treatment Facility (RN101607984), an activated sludge treatment facility operated in extended aeration mode. The facility is located approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, in Laredo, Webb County, Texas 78045. This application is for a renewal of the permit to discharge treated domestic wastewater at a volume not to exceed 160,000 gallons per day. The permit also authorizes disposal of effluent by irrigation and evaporation.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and *E. coli*. Domestic wastewater is treated by a bar screen, aeration basins, final clarifiers, aerobic digesters, and a chlorine contact chamber.

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

### AGUAS RESIDUALES DOMÉSTICA /AGUAS PLUVIALES

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

La Ciudad de Laredo (CN600131908) opera la instalación de tratamiento de aguas residuals de Laredo/Colombia Solidarity Bridge (RN101607984), una instalación de tratamiento de lodos activados que funciona en modo de aireación prolongada. La instalación está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 y State Highway 255, en la ciudad de Laredo, Condado de Webb, Texas 78045. Esta solicitud es para renovar el permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 160.000 galones por día. El permiso también autoriza la disposición de efluentes mediante riego y evaporación.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y *E. coli*. Las aguas residuales domésticas están tratado por una rejilla de barras, cuencas de aireación, clarificadores finales, digestores aeróbicos y una cámara de contacto con cloro.

### INSTRUCTIONS

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

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

### **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 (CN60000000) operates the Starr Power Station (RN1000000000), a twounit 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 (CN60000000, 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 (CN00000000) operates the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-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 (CN00000000) proposes to operate the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-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 (CN00000000) operates the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), 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.

### **Rainee Trevino**

From:	Griesel, Jenni <jgriesel@plummer.com></jgriesel@plummer.com>
Sent:	Friday, June 13, 2025 11:20 AM
То:	Rainee Trevino
Cc:	Koenings, Tres; thernandez@ci.laredo.tx.us
Subject:	Re: Application to Renew Permit No. WQ0010681006- Notice of Deficiency Letter
Attachments:	Att B_Plain Language Summary_CB.docx; Municipal Discharge Renewal Spanish
	NORI.docx

Good morning, Rainee,

We have reviewed the notice of deficiency dated June 3, 2025, and found no errors in the NORI language. Attached are the revised plain language summaries and a Spanish translation of the NORI.

Please let me know if you have any questions.

Thank you,

Jenni Griesel, P.E. Project Engineer Plummer

8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250 Austin, Texas 78759 512-687-2193

From: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Sent: Tuesday, June 3, 2025 10:49 AM
To: thernandez@ci.laredo.tx.us <thernandez@ci.laredo.tx.us>
Cc: Griesel, Jenni <jgriesel@plummer.com>
Subject: Application to Renew Permit No. WQ0010681006- Notice of Deficiency Letter

CAUTION: This email originated from outside of Plummer. DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Good morning,

The attached Notice of Deficiency letter sent on June 3, 2025, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by June 17,2025.

Regards,

**Rainee Trevino** Water Quality Division | ARP Team Texas Commission on Environmental Quality 512-239-4324





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

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

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

City of Laredo (CN600131908) operates Laredo/Colombia Solidarity Bridge Wastewater Treatment Facility (RN101607984), an activated sludge treatment facility operated in extended aeration mode. The facility is located approximately 1.1 miles southwest of the intersection of Farm-to-Market Road 1472 and State Highway 255, in Laredo, Webb County, Texas 78045. This application is for a renewal of the permit to discharge treated domestic wastewater at a volume not to exceed 160,000 gallons per day. The permit also authorizes disposal of effluent by irrigation and evaporation on 6.63 acres of non-public access land.

Discharges from the facility are expected to contain 5-day biochemical oxygen demand, total suspended solids, and *E. coli*. Domestic wastewater is treated by a bar screen, aeration basins, final clarifiers, aerobic digesters, and a chlorine contact chamber.

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

### AGUAS RESIDUALES DOMÉSTICA /AGUAS PLUVIALES

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

La Ciudad de Laredo (CN600131908) opera la instalación de tratamiento de aguas residuals de Laredo/Colombia Solidarity Bridge (RN101607984), una instalación de tratamiento de lodos activados que funciona en modo de aireación prolongada. La instalación está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 y State Highway 255, en la ciudad de Laredo, Condado de Webb, Texas 78045. Esta solicitud es para renovar el permiso para descargar aguas residuales domésticas tratadas en un volumen que no exceda los 160.000 galones por día. El permiso también autoriza la disposición de efluentes mediante riego y evaporación en 6,63 acres de tierra de acceso no público.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno de 5 días, sólidos suspendidos totales y *E. coli*. Las aguas residuales domésticas están tratado por una rejilla de barras, cuencas de aireación, clarificadores finales, digestores aeróbicos y una cámara de contacto con cloro.

### INSTRUCTIONS

- 1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
- 2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
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- 14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
- 15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
- 16. Choose the appropriate verb tense to complete the sentence.
- 17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

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

### **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.

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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 (CN60000000, 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 (CN00000000) operates the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-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 (CN00000000) proposes to operate the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-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 (CN00000000) operates the City of Texas wastewater treatment plant (RN00000000), 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<sub>5</sub>), 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.

# Comisión de Calidad Ambiental del Estado de Texas



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

### PERMISO NO. WQ00

**SOLICITUD.** La cuidad de Laredo, 1110 Houston Street, Laredo, Texas 78040, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0010681006 (EPA I.D. No. TX0107395) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 160,000 galones por día. La planta está ubicada aproximadamente a 1,1 millas al suroeste de la intersección de Farm-to-Market Road 1472 y State Highway 255, cerca de la cuidad de Laredo, en el Condado de Webb, Texas 78045. La ruta de descarga es del sitio de la planta directamente al Río Grande debajo del embalse Amistad. La TCEQ recibió esta solicitud el 23 de mayo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca publica de Laredo de Joe A. Guerra, mostrador de referencia del primer piso, 1120 East Calton Road, Laredo, en el condado de Webb, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <u>https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</u>.

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

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-99.736944,27.693888&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos

**o pedir una reunión pública sobre esta solicitud.** El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso. **LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

# CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía

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

También se puede obtener información adicional de la cuidad de Laredo a la dirección indicada arriba o llamando al Sr. Ramon Chaves, P.E., Director del Departamento de Ingeniería, al 956-791-7302.

Fecha de emisión: [Date notice issued]