

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



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.

U.S. Customs and Border Protection (CN601680440) proposes to operate Joint Processing Center Wastewater Treatment Facility, a percolating biofilter vermicomposting facility. The facility will be located approximately 1.4 miles north-northeast from the intersection of Cuatro Vientos Boulevard and Mangana-Hein Road, in Laredo, Webb County, Texas 78046. This application is for a new permit to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 26,000 gallons per day.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand, ammonia-nitrogen, total suspended solids, and E. coli. Domestic wastewater will be treated by an automatic fine screen, bag filters, an equalization tank, two-pass percolating biofilters, and ultraviolet (UV) disinfection.

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

AGUAS RESIDUALES DOMÉSTICAS /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.

Aduanas y Protección Fronteriza de los Estados Unidos (CN601680440) propone operar la instalación de tratamiento de aguas residuales del Joint Processing Center, una instalación de vermicompostaje con biofiltro percolador. La instalación estará ubicada aproximadamente 1,4 millas al norte-noreste desde la intersección de Cuatro Vientos Boulevard y Mangana-Hein Road, en la ciudad de Laredo, Condado de Webb, Texas 78046. Esta solicitud es para un nuevo permiso para autorizar la descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 26,000 galones por día..

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de 5 días, nitrógeno amoniacal, sólidos suspendidos totales y E. coli. Aguas residuales domésticas estará tratado por una pantalla fina automática, filtros de mangas, un tanque de ecualización, biofiltros de percolación de dos pasos y desinfección ultravioleta (UV).

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016839001

APPLICATION. United States Customs and Border Protection, 1331 Pennsylvania Avenue Northwest, Suite 1555N, Mailstop 1102, Washington, District of Columbia 20229, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WO0016839001 (EPA I.D. No. TX0148083) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 26,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.4 miles north-northeast of the intersection of Cuatro Vientos Boulevard and Mangana-Hein Road, in the city of Laredo, Webb County, Texas 78046. The discharge route will be from the plant site to an unnamed tributary, thence to San Idelfonso Creek, thence to Rio Grande Below Amistad Reservoir. TCEQ received this application on July 1, 2025. The permit application will be available for viewing and copying at Senator Judith Zaffirini Library, Laredo College South Campus, 5500 Zapata Highway, 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=-99.4516,27.42043&level=18

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a

public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

Further information may also be obtained from United States Customs and Border Protection at the address stated above or by calling Ms. Analisa Oviedo-Gomez, LMI Government Consulting, at 956-566-0220.

Issuance Date: July 29, 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

PERMISO PROPUESTO NO. WQ0016839001

SOLICITUD. United States Customs and Border Protection, 1331 Pennsylvania Avenue Northwest, Suite 1555N, Mailstop 1102, Washington, District of Columbia 20229, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016839001 (EPA I.D. No. TX0148083) 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 26.000 galones por día. La planta estará ubicado aproximadamente a 1,4 millas al nor-noreste de la intersección de Cuatro Vientos Boulevard y Mangana-Hein Road, en la ciudad de Laredo, en el Condado de Webb, Texas 78046. La ruta de descarga estará del sitio de la planta a un afluente sin nombre, de allí al arroyo San Idelfonso y de allí al Río Grande debajo del embalse Amistad. La TCEQ recibió esta solicitud el 1 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca de la Senadora Judith Zaffirini, Campus Sur de Laredo College, 5500 Zapata Highway, 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/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-99.4516,27.42043&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar

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

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la

solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se 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 www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

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

También se puede obtener información adicional de la United States Customs and Border Protection a la dirección indicada arriba o llamando a la Sra. Analisa Oviedo-Gomez, LMI Government Consulting al 956-566-0220.

Fecha de emisión: 29 de julio de 2025

Leah Whallon

From: Griesel, Jenni <jgriesel@plummer.com>

Sent: Tuesday, July 22, 2025 8:31 AM

To: Leah Whallon

Cc: HAWK, ANDREW; NELSON, GARY; Owen Parker; Pierce-Walsh, Meg

Subject: Re: Application for Proposed Permit No. WQ0016839001; United States Customs and

Border Protection; Joint Processing Center WWTF

Attachments: 4. Municipal Discharge New Spanish NORI.docx; 1. Application Fee Transmittal

Letter_Signed.pdf; 2. Landowner Labels.docx

Follow Up Flag: Follow up Flag Status: Flagged

Good morning, Leah,

Our responses to the NOD are as follows:

1. See the attached letter confirming receipt of payment by TCEQ.

- 2. See the attached Word document for landowner labels in Avery 5160 format.
- 3. Please ensure that "APPLICATION" is bold in the issued notice. Please add "Northwest" to the mailing address of the applicant: "1331 Pennsylvania Avenue Northwest, Suite 1555N, Mailstop 1102, Washington, District of Columbia 20229."
- 4. Please see the attached Spanish translation of the NORI.

Please let me know if you have any questions.

Thank you,

Jenni Griesel, P.E.

Project Engineer

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

From: NELSON, GARY < GARY.NELSON@cbp.dhs.gov>

Sent: Thursday, July 17, 2025 9:48 AM

To: Leah Whallon < Leah. Whallon@Tceq. Texas. Gov>

Cc: HAWK, ANDREW <andrew.hawk@cbp.dhs.gov>; Griesel, Jenni <jgriesel@plummer.com>

Subject: RE: Application for Proposed Permit No. WQ0016839001; United States Customs and Border Protection; Joint

Processing Center WWTF

You don't often get email from gary.nelson@cbp.dhs.gov. Learn why this is important

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.



3837-001-01

July 09, 2025

Texas Commission on Environmental Quality Water Quality Division **Applications Review and Processing Team** MC-148 PO Box 13087 Austin, TX 78711

Re: U.S. Customs and Border Protection (CN 601680440) Joint Processing Center Wastewater Treatment Facility Application for a New Texas Pollutant Discharge Elimination System (TPDES) Permit

To Whom It May Concern:

On behalf of U.S. Customs and Border Protection, Plummer Associates, Inc. (Plummer) submits the application fee of \$350.00 for the above referenced application.

Please feel free to contact me at mpierce-walsh@plummer.com or (512) 359-7764, if you have any questions regarding this submittal.

Sincerely,

PLUMMER

TBPE Firm Registration No. F-13

Meg Pierce-Walsh

Environmental Services Practice Leader, Principal

RECEIVED

JUL 0 9 2025

Enclosures: Water Quality Permit Payment Submittal Form

CC:

Ms. Yvonne Medina, U.S. Customs and Border Protection

NEW LAKE INVESTMENTS LTD 6145 W US HIGHWAY 90 UVALDE, TX 78801 SCHWARZ H D III PO BOX 535 HEMPSTEAD, TX 77445 SCHWARZ R JOSEPH PO BOX 450235 LAREDO, TX 78045

HIRSCH INVESTMENTS LTD PO BOX 2658 EDWARDS, CO 81632 SCHWARZ NATALIE C 2811 FERNDALE ST HOUSTON, TX 77098 TERRENCE LEWIS TRUST 466 CHANNING AVE WEESTFIELD, NJ 07090

CHARLES D ROTTERSMANN TRUST 34 GEORGE F WILLETT PKWY NORWOOD, MA 02062 MACKENZIE MEREDITH E 34 GEORGE F WILLETT PKWY NORWOOD, MA 02062 SOUTH WEBB COUNTY LTD PO BOX 3229 LAREDO, TX 78044

THE STATE OF TEXAS 125 E 11TH ST AUSTIN, TX 78701

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ00

SOLICITUD. Aduanas y Protección Fronteriza de los Estados Unidos, 1331 Pennsylvania Avenue, Suite 1555N, Mailstop 1102, Washington, District of Columbia 20229, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016839001 (EPA I.D. No. TX0148091) 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 26.000 galones por día. La planta estará ubicado aproximadamente a 1,4 millas al nor-noreste de la intersección de Cuatro Vientos Boulevard y Mangana-Hein Road, en la ciudad de Laredo, en el Condado de Webb, Texas 20229. La ruta de descarga estará del sitio de la planta a un afluente sin nombre, de allí al arroyo San Idelfonso y de allí al Río Grande debajo del embalse Amistad (pendiente de RWA). La TCEQ recibió esta solicitud el 1 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca de la Senadora Judith Zaffirini, Campus Sur de Laredo College, 5500 Zapata Highway, 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/tpdes-applications.

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https://gisweb.tceq.texas.gov/LocationMapper/?marker=-99.4516,27.42043&level=18

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.] El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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

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

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

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

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se 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 www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

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

También se puede obtener información adicional de la Aduanas y Protección Fronteriza de los Estados Unidos a la dirección indicada arriba o llamando a la Sra. Analisa Oviedo-Gomez, LMI Government Consulting al 956-566-0220.

Fecha de emisión: [Date notice issued]



3837-001-01

July 1, 2025

Texas Commission on Environmental Quality Water Quality Division Applications Review and Processing Team MC-148 PO Box 13087 Austin, TX 78711

Re:

U.S. Customs and Border Protection (CN 601680440)

Joint Processing Center Wastewater Treatment Facility

Application for a New Texas Pollutant Discharge Elimination System (TPDES) Permit

To Whom It May Concern:

On behalf of U.S. Customs and Border Protection, Plummer Associates, Inc. (Plummer) submits one original and one copy of a new permit application for the above-referenced facility. The application fee of \$350.00 for the Domestic Wastewater Permit Application has been submitted via check to the Texas Commission on Environmental Quality Cashier's Office (MC-214) under separate cover.

Please feel free to contact me at mpierce-walsh@plummer.com or (512) 359-7764, if you have any questions regarding this submittal.

Sincerely,

PLUMMER

TBPE Firm Registration No. F-13

Meg Pierce-Walsh

Environmental Services Practice Leader, Principal

RECEIVED

JUL 0 1 2025

TCEQ MAIL CENTER
CL

Enclosures: New TPDES Permit Application (1 original, 1 copy)

cc: Ms. Yvonne Medina, U.S. Customs and Border Protection

U.S. CUSTOMS AND BORDER PROTECTION

JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY

NEW TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT APPLICATION

SUBMITTED TO:
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION

TABLE OF CONTENTS

I. ADMINISTRATIVE REPORT

Domestic Administrative Report 1.0

Domestic Administrative Report 1.1

Supplemental Permit Information Form (SPIF)

II. TECHNICAL REPORT

Domestic Technical Report 1.0 Domestic Technical Report 1.1 Domestic Worksheet 2.0

III. ATTACHMENTS

<u>No.</u>	<u>Description</u>	Reference
Α	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	Public Involvement Plan Form	Admin Rpt 1.0, Section 8.G
D	USGS Map	Admin Rpt 1.0, Section 13
Ε	Affected Landowners Map and Information	Admin Rpt 1.1, Section 1
F	Original Photographs	Admin Rpt 1.1, Section 2
G	Buffer Zone Map	Admin Rpt 1.1, Section 3
Н	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
1	Site Drawing	Tech Rpt 1.0, Section 3
J	Permit Justification	Tech Rpt 1.1, Section 1.A
K	Design Features	Tech Rpt 1.1, Section 4
L	Wind Rose	Tech Rpt 1.1, Section 5.B

THE COMMISSION OF THE PROPERTY OF THE PROPERTY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: <u>U.S. Customs and Border Protection</u>
PERMIT NUMBER (If new, leave blank): WQ00 <u>N/A - New</u>

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

N

Y

Administrative Report 1.0	\boxtimes		Original USGS Map	\boxtimes	
Administrative Report 1.1	\boxtimes		Affected Landowners Map	\boxtimes	
SPIF	\boxtimes		Landowner Disk or Labels	\boxtimes	
Core Data Form	\boxtimes		Buffer Zone Map	\boxtimes	
Summary of Application (PLS)	\boxtimes		Flow Diagram	\boxtimes	
Public Involvement Plan Form	\boxtimes		Site Drawing		
Technical Report 1.0	\boxtimes		Original Photographs		
Technical Report 1.1	\boxtimes		Design Calculations	\boxtimes	
Worksheet 2.0	\boxtimes		Solids Management Plan	\boxtimes	
Worksheet 2.1			Water Balance		\boxtimes
Worksheet 3.0					
Worksheet 3.1					
Worksheet 3.2					
Worksheet 3.3					
Worksheet 4.0					
Worksheet 5.0					
Worksheet 6.0		\boxtimes			
Worksheet 7.0					
For TCEQ Use Only					
Segment Number Expiration Date Permit Number			County Region		

Y

N



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 □

Payment Information:

Mailed Check/Money Order Number: <u>116978</u>

Check/Money Order Amount: \$350.00

Name Printed on Check: Plummer

EPAY Voucher Number: N/A

Copy of Payment Voucher enclosed? Yes \square N/A

Section 2. Type of Application (Instructions Page 26)

a.	Che	ck the box next to the appropriate authorization type.
	\boxtimes	Publicly Owned Domestic Wastewater Note: Federally owned.

- ☐ Privately-Owned Domestic Wastewater
- ☐ Conventional Water Treatment
- **b.** Check the box next to the appropriate facility status.
 - ☐ Active ☒ Inactive

c.	Check the box next to the appropriate permit type. □ TPDES Permit □ TLAP □ TPDES Permit with TLAP component □ Subsurface Area Drip Dispersal System (SADDS)
d.	Check the box next to the appropriate application type New Major Amendment with Renewal Major Amendment with Renewal Minor Amendment with Renewal Minor Amendment without Renewal Renewal without changes Minor Modification of permit
e.	For amendments or modifications, describe the proposed changes: $\underline{N/A}$
	For existing permits: Permit Number: WQ00 <u>N/A - New</u> EPA I.D. (TPDES only): TX <u>N/A</u> Expiration Date: <u>N/A</u>
Se	ection 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? U.S. Customs and Border Protection (The legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.) If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/ CN: 601680440
	CN. <u>001000440</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: Ms. Last Name, First Name: Medina, Yvonne

Title: Assistant Commissioner, Office of Facilities and Asset Management Credential: N/A

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?

N/A

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

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

CN: N/A

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: N/A Last Name, First Name: N/A

Title: N/A Credential: N/A

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

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. A

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Hawk, Andrew

Title: <u>Project Delivery Branch Director</u> Credential: <u>N/A</u>

Organization Name: <u>U.S. Customs and Border Protection</u>

Mailing Address: 1331 Pennsylvania Ave. NW, Ste. 1555N, Mailstop 1102

City, State, Zip Code: Washington, DC 20229

Phone No.: (317) 526-3268 E-mail Address: andrew.hawk@cbp.dhs.gov

B. Prefix: Ms. Last Name, First Name: Griesel, Jenni

Title: <u>Project Engineer</u> Credential: <u>P.E.</u>

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250

City, State, Zip Code: Austin, TX 78759

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

Check one or both: oximes Administrative Contact oximes Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Hawk, Andrew

Title: <u>Project Delivery Branch Director</u> Credential: <u>N/A</u>

Organization Name: <u>U.S. Customs and Border Protection</u>

Mailing Address: 1331 Pennsylvania Avenue NW, Suite 1555N, Mailstop 1102

City, State, Zip Code: Washington, DC 20229

Phone No.: (317) 526-3268 E-mail Address: andrew.hawk@cbp.dhs.gov

B. Prefix: Ms. Last Name, First Name: Oviedo-Gomez, Analisa

Title: <u>Senior Environmental Compliance Specialist</u> Credential: <u>N/A</u>

Organization Name: LMI Government Consulting

Mailing Address: <u>207 West Del Mar Boulevard</u> City, State, Zip Code: <u>Laredo, TX 78041</u>

Phone No.: (956) 566-0220 E-mail Address: analisa.r.oviedogomez@associates.cbp.dhs.gov

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Kennedy, Charles V.

Title: <u>Program Manager – Laredo Unit</u> Credential: <u>N/A</u>

Organization Name: LMI Government Consulting

Mailing Address: 207 West Del Mar Boulevard City, State, Zip Code: Laredo, TX 78041

Phone No.: (432) 466-4356 E-mail Address: charles.v.kennedy@cbp.dhs.gov

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

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

Prefix: Ms. Last Name, First Name: Oviedo-Gomez, Analisa

Title: Senior Environmental Compliance Specialist Credential: N/A

Organization Name: LMI Government Consulting

Mailing Address: 207 West Del Mar Boulevard City, State, Zip Code: Laredo, TX 78041

Phone No.: (956) 566-0220 E-mail Address: analisa.r.oviedogomez@associates.cbp.dhs.gov

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Griesel, Jenni

Title: <u>Project Engineer</u> Credential: <u>P.E.</u>

Organization Name: Plummer Associates, Inc.

Mailing Address: 8911 N Capital of Texas Hwy, Bldg 1 - Ste 1250

City, State, Zip Code: Austin, TX 78759

	Ph	one No.: <u>(512) 687-21</u>	93	E-mail Address:	jgriesel@plummer.com		
В.		ethod for Receiving ckage	Noti	ce of Receipt and Inte	nt to Obtain a Water Quality Permit		
	Inc	dicate by a check ma	rk th	e preferred method fo	r receiving the first notice and instructions:		
	\boxtimes	E-mail Address					
		Fax					
		Regular Mail					
C.	Co	ntact permit to be li	isted	l in the Notices			
	Pre	efix: <u>Ms.</u>		Last Name, First	Name: Oviedo-Gomez, Analisa		
	Tit	le: <u>Senior Environmer</u>	ıtal C	Compliance Specialist	Credential: <u>N/A</u>		
	Or	ganization Name: <u>LM</u>	II Go	vernment Consulting			
	Ma	iling Address: <u>207 W</u>	est E	<u> Del Mar Boulevard</u>	City, State, Zip Code: <u>Laredo, TX 78041</u>		
	Ph	one No.: <u>(956) 566-02</u>	20	E-mail Address:	$\underline{analisa.r.oviedogomez@associates.cbp.dhs.gov}$		
D.	Pu	blic Viewing Inform	atio	n			
	-	the facility or outfall unty must be provide		cated in more than one	county, a public viewing place for each		
	Pu	blic building name: <u>s</u>	Senat	<u>or Judith Zaffirini Librar</u>	<u>y</u>		
	Location within the building: <u>Reference Desk</u>						
	Ph	ysical Address of Bu	ildin	g: <u>5500 Zapata Highway</u>			
	Cit	y: <u>Laredo</u>		County: <u>Webl</u>	2		
	Co	ntact (Last Name, Fir	st N	ame): <u>Librarian</u>			
	Ph	one No.: <u>956-794-427</u>	5 Ext	t.: <u>N/A</u>			
E.	Bil	ingual Notice Requi	remo	ents			
		is information is req odification, and rene	_		ndment, minor amendment or minor		
	be		ıstru	ctions on publishing tl	ermine if alternative language notices will ne alternative language notices will be in		
	ob				arest elementary and middle schools and ether an alternative language notices are		
	1.			program required by tl t to the facility or prop	ne Texas Education Code at the elementary osed facility?		
		⊠ Yes		No			
		If no , publication of below.	an a	alternative language no	tice is not required; skip to Section 9		
	2.			tend either the elemen ogram at that school?	tary school or the middle school enrolled in		
		⊠ Yes		No			

	3.	Do the locatio	students at n?	these	e schools a	ttend a	bilingual	educa	tion prog	gram at	another
			Yes	\boxtimes	No						
	4.		the school b							gram b	out the school has
			Yes	\boxtimes	No						
	5.		nswer is yes ed. Which lar								tive language are
F.	Su	mmary	of Applicati	ion i	n Plain Lan	guage	Template	<u> </u>			
	als	so know	n as the plai								Form 20972), nent.
	At	tachme	nt : <u>B</u>								
G.	Pu	blic Inv	olvement P	lan F	orm						
		-					-				plication for a
		_	it or major a	amer	iament to	a perm	it and inc	nuae a	s an atta	cnmen	l.
	Αι	tachme	nt: <u>C</u>								
Se	cti	on 9.	Regulat	ed	Entity an	ıd Pei	mitted	Site 1	Inform	ation	(Instructions
			Page 29		,						
Α.			is currently 1 NA - New		lated by TC	EQ, pro	ovide the	Regula	ted Entit	y Num	ber (RN) issued to
			TCEQ's Cen currently reg				www15.to	ceq.tex	as.gov/c	rpub/	to determine if
B.	Na	me of p	roject or site	e (the	e name kno	wn by	the comm	nunity	where lo	cated):	
	<u>Joi</u>	int Proce	essing Center	Waste	ewater Treat	ment F	<u>acility</u>				
C.	Ov	vner of	treatment fa	cility	: <u>U.S. Custo</u>	ms and	Border Pro	otection	<u>1</u>		
	Ov	vnership	of Facility:		Public		Private		Both	\boxtimes	Federal
D.	Ov	vner of l	land where t	reatr	nent facility	y is or	will be:				
	Pre	efix: <u>N/</u>	<u>4</u>		Last	Name,	First Nan	ne: <u>N/<i>A</i></u>	<u>\</u>		
	Tit	tle: <u>N/A</u>			Cred	lential:	<u>N/A</u>				
	Or	ganizati	ion Name: <u>U</u>	.S. Cu	istoms and I	<u>Border I</u>	rotection				
	Ma	ailing Ac	ldress: <u>1331 l</u>	Penns	<u>sylvania Ave</u>	nue NW	, Suite 1 <u>55</u>	5N, Ma	ailstop 110	<u>)2</u>	
	Cit	ty, State	, Zip Code: <u>V</u>	Vashi	ngton, DC 2	0229					
	Ph	one No.	: <u>(317) 526-32</u>	<u>268,</u>	E-m	ail Ado	lress: <u>and</u>	rew.hav	wk@cbp.o	dhs.gov	
			lowner is not t or deed rec		_		-		or co-ap	plicant	t, attach a lease
		Attach	ment: <u>N/A</u>								

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>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 agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: <u>N/A</u>	
F.	Owner sewage sludge disposal si property owned or controlled by	te (if authorization is requested for sludge disposal on 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 agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: N/A	
	•	
Se	ection 10. TPDES Discharg	ge Information (Instructions Page 31)
		ge Information (Instructions Page 31) ity location in the existing permit accurate?
		ity location in the existing permit accurate?
	Is the wastewater treatment facil Yes No Ne If no, or a new permit application	ity location in the existing permit accurate? on, please give an accurate description:
	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles no	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos
	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles no	ity location in the existing permit accurate? on, please give an accurate description:
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles no Boulevard and Mangana-Hein Roa	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles no Boulevard and Mangana-Hein Roa	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct?
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment p	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? we ermit application, provide an accurate description of the
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment point of discharge and the discharge and the discharge and the second se	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct?
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment p point of discharge and the discharge and the discharge TAC Chapter 307: Via Outfall 001 to an unnamed trib	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment p point of discharge and the discharge and the discharge TAC Chapter 307: Via Outfall 001 to an unnamed trib	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? ow ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30
A.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment p point of discharge and the discharge and the discharge TAC Chapter 307: Via Outfall 001 to an unnamed trib	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046
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А.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment propoint of discharge and the discharge	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? overwith application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 overwith utility thence to San Idelfonso Creek, thence to Rio Grande and No. 2304 of the Rio Grande Basin. overwith the Rio Grande Basin. overwith the result of the Rio Grande Basin.
А.	Is the wastewater treatment facil Yes No Ne If no, or a new permit application Located approximately 1.4 miles not Boulevard and Mangana-Hein Roa Are the point(s) of discharge and Yes No Ne If no, or a new or amendment point of discharge and the discharge and	ity location in the existing permit accurate? on, please give an accurate description: orth-northeast from the intersection of Cuatro Vientos d, in Laredo, Webb County, Texas 78046 the discharge route(s) in the existing permit correct? overwith application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 overwith utility thence to San Idelfonso Creek, thence to Rio Grande and No. 2304 of the Rio Grande Basin. overwith the Rio Grande Basin. overwith the result of the Rio Grande Basin.

	If yes , indicate by a check mark if:
	\square Authorization granted \square Authorization pending
	For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
	Attachment: N/A
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: N/A
Sa	ection 11. TLAP Disposal Information (Instructions Page 32)
36	ection 11. That Disposal information (instructions rage 32)
A.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
	\square Yes \square No $\underline{N/A}$ – Not a \underline{TLAP}
	If no, or a new or amendment permit application , provide an accurate description of the disposal site location:
	N/A
B.	City nearest the disposal site: <u>N/A</u>
C.	County in which the disposal site is located: N/A
D.	For TLAPs , describe the routing of effluent from the treatment facility to the disposal site:
	N/A
E.	For TLAPs , please identify the nearest watercourse to the disposal site to which rainfall
	runoff might flow if not contained: N/A
Se	ection 12. Miscellaneous Information (Instructions Page 32)
A.	Is the facility located on or does the treated effluent cross American Indian Land?
	□ Yes ⊠ No
B.	If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?
	□ Yes □ No ⊠ Not Applicable
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
	N/A

C.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?
	□ Yes ⊠ No
	If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: $\underline{\rm N/A}$
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>
Se	ection 13. Attachments (Instructions Page 33)
Ind	digate which attachments are included with the Administrative Depart. Cheek all that apply
111(dicate 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.
	Lease agreement or deed recorded easement, if the land where the treatment facility is
	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.
	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: See Attachment D • 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)
	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: See Attachment D • 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

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: N/A - New Permit

Applicant: U.S. Customs and Border Protection

Certification:

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

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

Signatory name (typed or printed): Yvonne Medina

Signatory title: Assistant Commissioner, Office of Facilities and Asset Management

Subscribed and Sworn to before me by the said	Signature: (Use blue ink)		6/26/25. SIGN	ΙH
	Subscribed and Sworn to before on this 264n	_day of	, 20 25 .	
Notary Public SEAL	1/ (ashinston De	HEAVEN WARFIELD Notary Public District of Columbia	SEAT OTAP DE STANDARD DE STANDARD DE COLUMBITA DE COLUMBI	

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

Α.		cate by a check mark that the landowners map or drawing, with scale, includes the owing information, as applicable: <u>See Attachment E</u>
	\boxtimes	The applicant's property boundaries
	\boxtimes	The facility site boundaries within the applicant's property boundaries
		The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
		The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
		The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
	\boxtimes	The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
		The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
		The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
		The property boundaries of all landowners surrounding the effluent disposal site
		The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
		The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
В.	⊠ add	Indicate by a check mark that a separate list with the landowners' names and mailing resses cross-referenced to the landowner's map has been provided.
C.	⊠ labe	Indicate by a check mark that the landowners list has also been provided as mailing ls in electronic format (Avery 5160).
D.	Prov	ride the source of the landowners' names and mailing addresses: Webb County CAD
E.		equired by <i>Texas Water Code § 5.115</i> , is any permanent school fund land affected by application? Yes \bowtie No

If yes , provide the location and foreseeable impacts and effects this application has on the land(s):				
	N/A	A		
Sa	ctio	on 2. Original Photographs (Instructions Page 38)		
		<u> </u>		
Provide original ground level photographs. Indicate with checkmarks that the following information is provided. <u>See Attachment F</u>				
	\boxtimes	At least one original photograph of the new or expanded treatment unit location		
		At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.		
		At least one photograph of the existing/proposed effluent disposal site		
	\boxtimes	A plot plan or map showing the location and direction of each photograph		
Se	ctio	on 3. Buffer Zone Map (Instructions Page 38)		
	Buff info	Fer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following rmation. The applicant's property line and the buffer zone line may be distinguished by g dashes or symbols and appropriate labels. See Attachment H		
	•	The required buffer zone; and Each treatment unit; and		
В.		er zone compliance method. Indicate how the buffer zone requirements will be met.		
		☑ Ownership		
		Restrictive easement		
		Nuisance odor control		
		□ Variance		
C.		uitable site characteristics. Does the facility comply with the requirements regarding uitable site characteristic found in 30 TAC § 309.13(a) through (d)?		
		ĭ Yes □ No		

DOMESTIC WASTEWATER PERMIT APPLICATION SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: **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 AmendmentMinor 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			

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

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

First and Last Name: <u>Andrew Hawk</u> Credential (P.E, P.G., Ph.D., etc.): <u>N/A</u> Title: Project Delivery Branch Director

Mailing Address: 1331 Pennsylvania Avenue NW, Suite 1555N, Mailstop 1102

City, State, Zip Code: Washington, DC 20229

Phone No.: (317) 526-3268 Ext.: N/A Fax No.: N/A

E-mail Address: andrew.hawk@cbp.dhs.gov

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

N/A - 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 to an unnamed tributary, thence to San Idelfonso Creek, thence to Rio Grande Below Amistad Reservoir in Segment No. 2304 of the Rio Grande Basin.</u>

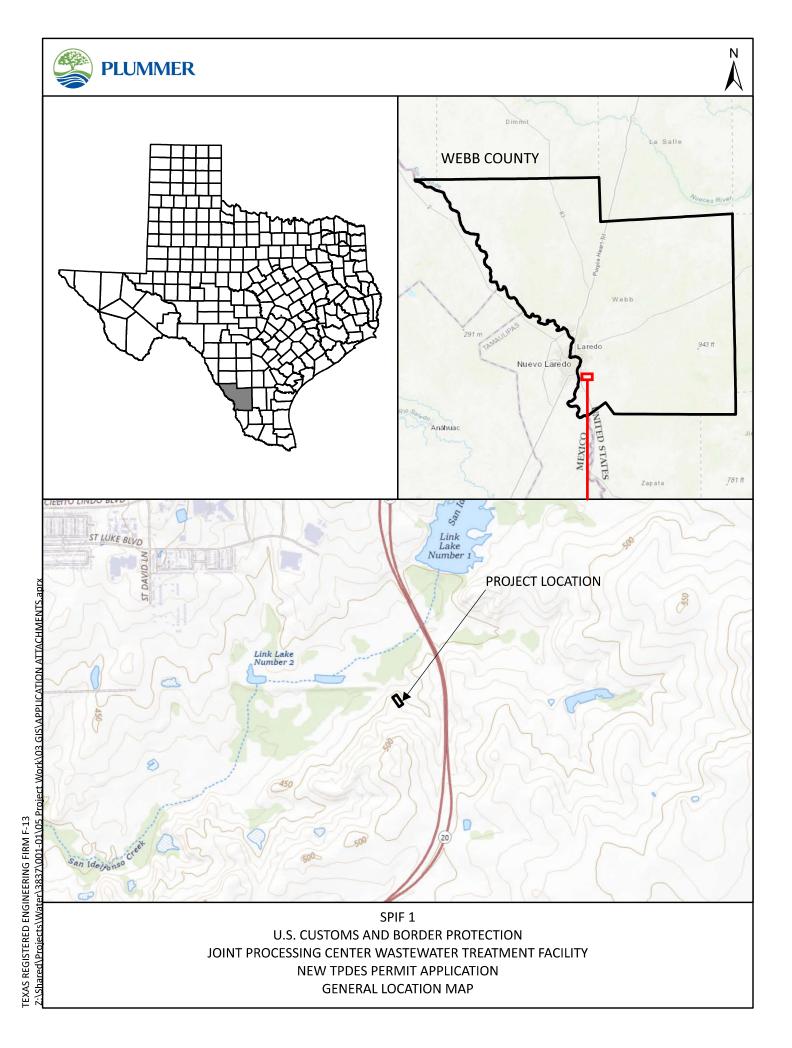
5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). See SPIF 1 and SPIF 2

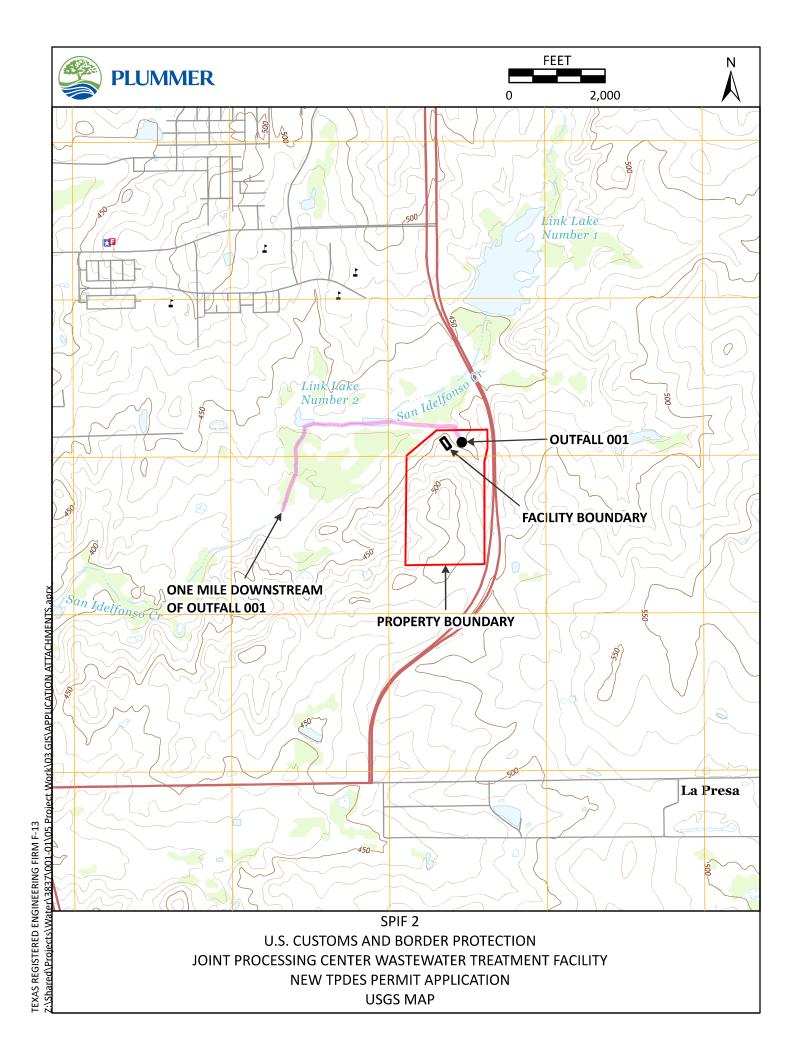
Provide original photographs of any structures 50 years or older on the property. $\underline{N/A}$

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

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

1.	List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):		
	Less than 1 acre will be impacted for the wastewater treatment facility. Maximum depth of excavation will be 10 feet. The existing brush will be cleared, but no wetlands will be disturbed.		
2.	Describe existing disturbances, vegetation, and land use:		
	Existing land use is undeveloped agricultural land vegetated with native scrub and brush.		
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 - No existing buildings.		
4.	Provide a brief history of the property, and name of the architect/builder, if known.		
	Existing land use is undeveloped agricultural land vegetated with native scrub and brush.		





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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>0.013</u> 2-Hr Peak Flow (MGD): 0.013

Estimated construction start date: <u>November 2026</u> Estimated waste disposal start date: <u>June 2027</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: N/A

C. Final Phase

Design Flow (MGD): <u>0.026</u> 2-Hr Peak Flow (MGD): <u>0.026</u>

Estimated construction start date: <u>December 2026</u> Estimated waste disposal start date: <u>July 2027</u>

D. Current Operating Phase

Provide the startup date of the facility: N/A – New Facility

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**.

Influent wastewater will be pumped to a new 2-mm self-bagging screen. From the screen, wastewater will gravity flow into a new pump sump that will convey wastewater into a 7,000-gallon equalization (EQ) tank. Water shall be evenly dispersed across the first pass treatment area of 1,500 square feet (SF) (duplicated in the Final Phase) and trickle down through Biodynamic Aerobic (BIDA®) bed layers to a drainage exit and into a pump sump that will convey water to a second-pass treatment area of 1,200 SF, where it shall percolate through the BIDA® layers and drain into another pump sump. This second pass treatment area is suitable for treatment of up to 26,000 GPD. Water can be recirculated to the EQ tank or pumped to the UV disinfection chamber prior to discharge via Outfall 001. Solids may need to be pumped out of the EQ tank once every 1 to 2 years as part of general maintenance, but no other sludge or biosolids are anticipated to be generated as part of the treatment process. A top layer of vermicompost will be removed once every 5 years and used as a soil amendment onsite in limited access areas consistent with applicable rules and regulations.

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)
Automatic Fine Screen	1	2-mm openings
Bag Filter	2	TBD
Equalization Tank	1	7,000 gal
1st Pass BIDA® Bed	1 (Interim I); 2 (Final)	1,500 ft ²
2 nd Pass BIDA® Bed	1	1,200 ft ²
UV Disinfection	1	N/A

C. Process Flow Diagram

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

Attachment: H

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>27.4204702°</u>

• Longitude: <u>-99.4505477</u>°

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

Latitude: N/ALongitude: N/A

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

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;

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

Attachment: <u>I</u>

Provide the name and a descrip	otion of the area se	rved by the treatment fac	ility.
The facility will serve the new U.S	S. Customs and Bord	er Protection (CBP) Joint Pr	ocessing Center.
Collection System Information each uniquely owned collection satellite collection systems. Ple examples . Collection System Information	n system, existing	and new, served by this fa	acility, including
Collection System Name	Owner Name	Owner Type	Population Served
CBP Joint Processing Center	CBP	Federally Owned	1,300 - Interim I
car joint Processing Center	CDI	reacraily owned	2,600 - Final
Section 4 Unbuilt Dhe	ococ (Instructio	one Dago (14)	
	ses (Instructio		1 0
Is the application for a renewal	of a permit that co	ontains an unbuilt phase (or phases?
□ Yes ⊠ No			
If yes, does the existing permit years of being authorized by the	_	nat has not been construc	ted within five
□ Yes □ No <u>N/A</u>			
If yes, provide a detailed discu Failure to provide sufficient ju recommending denial of the u	ustification may re	esult in the Executive Dir	
N/A			
Section 5. Closure Pla	ns (Instruction	is Page 44)	
Have any treatment units been out of service in the next five y		e permanently, or will an	y units be taken
□ Yes ⊠ No			
If yes, was a closure plan subn	nitted to the TCEQ?		
□ Yes □ No <u>N/A</u>			

	yes, provide a brief description of the closure and the date of plan approval.
IN	
Se	ection 6. Permit Specific Requirements (Instructions Page 44)
Fo	r applicants with an existing permit, check the Other Requirements or Special ovisions 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: N/A
	Provide information, including dates, on any actions taken to meet a <i>requirement or provision</i> pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable .
	Plans and specifications will be submitted following permit issuance and prior to facility startup.
В.	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.
	Buffer zones will be met by ownership.
C.	Other actions required by the current permit
	Does the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.
	\square Yes \square No $\underline{N/A}$
	If yes , provide information below on the status of any actions taken to meet the conditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
	N/A

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.					
	N/A					
_						
3.	Grit disposal Does the facility have a Municipal Calid Wests (MCW) registration or normit for grit					
	Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?					
	□ Yes ⊠ No					
	If No , contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.					
	Describe the method of grit disposal.					
	N/A					
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.					
	N/A					
Sto	ormwater 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					

E.

2.	MSGP	cover	age		
					from the WWTP and dedicated lands for sewage disposal r the TPDES Multi-Sector General Permit (MSGP), TXR050000?
		Yes		No	<u>N/A</u>
	If yes , Wastes	_	_	vide MS0	GP Authorization Number and skip to Subsection F, Other
	TXR05	<u>N/A</u> (or TX	RNE <u>N/A</u>	<u> </u>
	If no,	do you	ı inte	nd to see	ek coverage under TXR050000?
		Yes		No	<u>N/A</u>
3.	Condi	tional	excl	usion	
	TXR05	0000	(Mult	i Sector	nd to apply for a conditional exclusion from permitting based General Permit) Part II B.2 or TXR050000 (Multi Sector ctor T 3(b)?
		Yes		No	<u>N/A</u>
	If yes,	pleas	e exp	lain belo	w then proceed to Subsection F, Other Wastes Received:
	<u>N/A</u>				
4.	Existin	ıa cov	eraa	e in indi	vidual permit
		r storn	nwat		arge currently permitted through this individual TPDES or
		Yes		No	<u>N/A</u>
	-	e auth		_	on of stormwater runoff management practices at the site wastewater permit then skip to Subsection F, Other Wastes
	N/A				
5.	Zero s	tormv	vatei	dischar	ge
		ı inter			discharge of stormwater via use of evaporation or other
		Yes		No	N/A
	If yes,	expla	in be	low then	skip to Subsection F. Other Wastes Received.

If no to both of the above, 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.
	<i>6.</i>	Request for coverage in individual permit
		Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?
		\square Yes \square No $\underline{\mathrm{N/A}}$
		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>
		Notes Direct storms vector discharges to vectors in the state authorized through this
		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.	Di	scharges to the Lake Houston Watershed
	Do	es the facility discharge in the Lake Houston watershed?
		□ Yes ⊠ No
	If v	ves, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. $\underline{N/A}$

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?

	If yes, attach sewage sludge solids management plan. See Example 5 of instructions.
	In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an
	estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
	N/A
	Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
<i>2.</i>	Acceptance of septic waste
	Is the facility accepting or will it accept septic waste?
	□ Yes ⊠ No
	If yes, does the facility have a Type V processing unit?
	□ Yes □ No <u>N/A</u>
	If yes, does the unit have a Municipal Solid Waste permit?
	□ Yes □ 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_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
	N/A
	Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
<i>3.</i>	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.

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	N/A	N/A	N/A	N/A	N/A
Total Suspended Solids, mg/l	N/A	N/A	N/A	N/A	N/A
Ammonia Nitrogen, mg/l	N/A	N/A	N/A	N/A	N/A
Nitrate Nitrogen, mg/l	N/A	N/A	N/A	N/A	N/A
Total Kjeldahl Nitrogen, mg/l	N/A	N/A	N/A	N/A	N/A
Sulfate, mg/l	N/A	N/A	N/A	N/A	N/A
Chloride, mg/l	N/A	N/A	N/A	N/A	N/A
Total Phosphorus, 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
Dissolved Oxygen*, mg/l	N/A	N/A	N/A	N/A	N/A
Chlorine Residual, mg/l	N/A	N/A	N/A	N/A	N/A
E.coli (CFU/100ml) freshwater	N/A	N/A	N/A	N/A	N/A
Entercocci (CFU/100ml) saltwater	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
Electrical Conductivity, µmohs/cm, †	N/A	N/A	N/A	N/A	N/A

Oil & Grease, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO ₃)*, mg/l	N/A	N/A	N/A	N/A	N/A

^{*}TPDES permits only †TLAP permits only

Table 1.0(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 ₃), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: <u>A facility operator will be hired following permit issuance and prior to facility startup.</u>

Facility Operator's License Classification and Level: N/A

Facility Operator's License Number: N/A

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

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

	Che	ck all that apply. See instructions for guidance	
		Design flow>= 1 MGD	<u>not produce biosolids. See Attachment</u> K for additional information.
		Serves >= 10,000 people	
		Class I Sludge Management Facility (per 40 CF	R § 503.9)
		Biosolids generator	
		Biosolids end user – land application (onsite)	
		Biosolids end user – surface disposal (onsite)	
		Biosolids end user – incinerator (onsite)	
B.	ww	TP's Sewage Sludge or Biosolids Treatment P	rocess
	Che	ck all that apply. See instructions for guidance	
		Aerobic Digestion	
		Air Drying (or sludge drying beds)	
		Lower Temperature Composting	
		Lime Stabilization	

The permits only

	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
⊠ Attac	Other Treatment Process: <u>The vermicompost process will not produce biosolids. See</u> chment K for additional information.

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
N/A - The verm	icompost proce	ss will not produ	<u>ice biosolids. Se</u>	e Attachment K	for additional
<u>information.</u>					

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): $\underline{N/A}$

D. Disposal site

Disposal site name: N/A - The vermicompost process will not produce biosolids. See Attachment K for additional information.

TCEQ permit or registration number: N/A County where disposal site is located: N/A

E. Transportation method

Method of transportation (truck, train, pipe, other): <u>N/A - The vermicompost process will not</u> produce biosolids. See Attachment K for additional information.

TCEQ-10054 (10/17/2024) Domestic Wastewater Permit Application Technical Report

Name of the hauler: N/A

Hauler registration number: N/A

	Sludge is transp	ported as a:					
	Liquid □	semi-liquid 🗆	semi-solid □		soli	d□	
Se		ermit Authoriza nstructions Pag		vag	ge Sluc	lge I	Disposal
A.	Beneficial use	authorization					
	Does the existing beneficial use?	ng permit include a	uthorization for	lan	ıd applio	cation	of biosolids for
	□ Yes ⊠	No					
	If yes, are you beneficial use?	requesting to contin	nue this authoriz	zati	on to la	nd ap	ply biosolids for
	□ Yes □	l No <u>N/A</u>					
		ompleted Applicatio o. 10451) attached					Use of Sewage Sludge e instructions for
	□ Yes □	l No <u>N/A</u>					
В.	Sludge process	sing authorization					
	Does the existing storage or disp		uthorization for	any	y of the	follow	ving sludge processing,
	Sludge Com	posting			Yes	\boxtimes	No
	Marketing a	and Distribution of I	Biosolids		Yes	\boxtimes	No
	Sludge Surfa	ace Disposal or Sluc	lge Monofill		Yes	\boxtimes	No
	Temporary	storage in sludge la	goons		Yes	\boxtimes	No
	authorization, i		mestic Wastew	ate	r Permi	t Appl	esting to continue this lication: Sewage Sludge application?
	□ Yes □	l No <u>N/A</u>					
Se	ection 11. Se	ewage Sludge L	agoons (Inst	ruo	ctions	Page	e 53)
Do	es this facility in	nclude sewage slud	ge lagoons?				
	□ Yes ⊠ I	No					
If	yes, complete th	e remainder of this	section. If no, p	roce	eed to S	ection	12.
A.	Location inform	mation					
		maps are required to tachment Number.	o be submitted a	as p	art of th	ne app	lication. For each map,

• USDA Natural Resources Conservation Service Soil Map:

• Original General Highway (County) Map:

Attachment: N/A

Attachment: N/A

• Federal Emergency Management Map:

Attachment: N/A

• Site map:

Attachment: N/A

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

Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

□ Overlap an unstable area

□ Wetlands

☐ Located less than 60 meters from a fault

 \square None of the above

Attachment: N/A

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

N/A

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: <u>N/A</u>

Total Kjeldahl Nitrogen, mg/kg: <u>N/A</u>

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

Phosphorus, mg/kg: <u>N/A</u>

Potassium, mg/kg: N/A

pH, standard units: N/A

Ammonia Nitrogen mg/kg: <u>N/A</u>

Arsenic: <u>N/A</u>

Cadmium: N/A Chromium: N/A

Copper: <u>N/A</u>

Lead: <u>N/A</u>

Mercury: N/A

Nickel: <u>N/A</u>
Selenium: <u>N/A</u>
Zinc: <u>N/A</u>
Total PCBs: <u>N/A</u>
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: $\underline{N/A}$
Liner information
Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?
□ Yes □ No <u>N/A</u>
If yes, describe the liner below. Please note that a liner is required.
N/A
Site development plan
Provide a detailed description of the methods used to deposit sludge in the lagoon(s):
$\frac{N/A}{}$
Attach the following documents to the application.
 Plan view and cross-section of the sludge lagoon(s)
Attachment: N/A
• Copy of the closure plan
Attachment: N/A
 Copy of deed recordation for the site
Attachment: N/A
• Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: <u>N/A</u>

Molybdenum: <u>N/A</u>

C.

D.

	 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>
Se	ection 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:
N	$\overline{1/A}$
B.	Permittee enforcement status
	Is the permittee currently under enforcement for this facility?
	☐ Yes ⊠ No
	Is the permittee required to meet an implementation schedule for compliance or
	enforcement?
	□ Yes ⊠ No
	If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

<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: N/A

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

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

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

CERTIFICATION:

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

Printed Name: Yvonne Medina

Title: Assistant Commissioner, Office of Facilities and Asset Management

Signature:

SIGN HERE

Date:

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit	need
----------------------------	------

B.

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

See Attachment J
Regionalization of facilities
For additional guidance, please review <u>TCEQ's Regionalization Policy for Wastewater Treatment</u> ¹ .
Provide the following information concerning the potential for regionalization of domes wastewater treatment facilities: N/A - This is a federal project, not a public work, a the project does not have federal approval to connect the project does not have federal
1. Municipally incorporated areas to existing collection systems.
If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.
Is any portion of the proposed service area located in an incorporated city?
□ Yes □ No ⊠ Not Applicable
If yes, within the city limits of: N/A
If yes, attach correspondence from the city.
Attachment: N/A
If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.
Attachment: N/A
2. Utility CCN areas
Is any portion of the proposed service area located inside another utility's CCN area?
\square Yes \square No $\underline{\mathrm{N/A}}$

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

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion. Attachment: N/A 3. Nearby WWTPs or collection systems Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility? Yes No N/A If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems. Attachment: N/A If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system. Attachment: N/A If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion. Attachment: N/A Section 2. Proposed Organic Loading (Instructions Page 58) Is this facility in operation? \Box Yes 🖂 No **If no**, proceed to Item B, Proposed Organic Loading. If yes, provide organic loading information in Item A, Current Organic Loading A. Current organic loading Facility Design Flow (flow being requested in application): N/A Average Influent Organic Strength or BOD₅ Concentration in mg/l: N/A Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): N/A Provide the source of the average organic strength or BOD₅ concentration.

N/A

B. Proposed organic loading

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

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other	0.026	<u>500</u>
TOTAL FLOW from all sources	0.026	N/A
AVERAGE BOD₅ from all sources	N/A	500

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: <u>3</u> Total Phosphorus, mg/l: <u>N/A</u>

Dissolved Oxygen, mg/l: 4

Other: N/A

В.	Interim II Phase Design Effluent Quality
	Biochemical Oxygen Demand (5-day), mg/l: <u>N/A</u>
	Total Suspended Solids, mg/l: $\underline{\text{N/A}}$
	Ammonia Nitrogen, mg/l: <u>N/A</u>
	Total Phosphorus, mg/l: <u>N/A</u>
	Dissolved Oxygen, mg/l: <u>N/A</u>
	Other: <u>N/A</u>
C.	Final Phase Design Effluent Quality
	Biochemical Oxygen Demand (5-day), mg/l: <u>10</u>
	Total Suspended Solids, mg/l: <u>15</u>
	Ammonia Nitrogen, mg/l: 3
	Total Phosphorus, mg/l: <u>N/A</u>
	Dissolved Oxygen, mg/l: 4
	Other: <u>N/A</u>
D.	Disinfection Method
	Identify the proposed method of disinfection.
	Chlorine: _ mg/l after _ minutes detention time at peak flow
	Dechlorination process:
	$oxed{oxed}$ Ultraviolet Light: $\underline{N/A}$ seconds contact time at peak flow
	□ Other:
S۵	ection 4. Design Calculations (Instructions Page 58)
	tach design calculations and plant features for each proposed phase. Example 4 of the structions includes sample design calculations and plant features.
	Attachment: <u>K</u>
C o	ection F Facility Site (Instructions Dags FO)
SE	ection 5. Facility Site (Instructions Page 59)
Α.	100-year floodplain
	Will the proposed facilities be located <u>above</u> the 100-year frequency flood level?
	⊠ Yes □ No
	If no , describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.
	<u>N/A</u>

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

FEMA FIRM Panel 48479C1390C, effective on 4/2/2008

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

□ Yes ☑ No

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

□ Yes □ No N/A

If yes, provide the permit number: N/A

If no, provide the approximate date you anticipate submitting your application to the Corps: N/A

B. Wind rose

Attach a wind rose: L

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

A. Beneficial use authorization

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

□ Yes ⊠ No

If yes, attach the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451): $\underline{N/A}$

B. Sludge processing authorization

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

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

If any of the above, sludge options are selected, attach the completed **Domestic** Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056): N/A

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

Attachment: N/A – Vermicomposting process will not generate biosolids.

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

Treatment units and processes dimensions and capacities

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 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: N/A
Distance and direction to the intake: N/A
Attach a USGS map that identifies the location of the intake.
Attachment: N/A
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: $\underline{N/A}$
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).
N/A
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).
N/A

Section 3. **Classified Segments (Instructions Page 63)** Is the discharge directly into (or within 300 feet of) a classified segment? Yes \boxtimes No If yes, this Worksheet is complete. **If no**, complete Sections 4 and 5 of this Worksheet. Section 4. **Description of Immediate Receiving Waters (Instructions Page 63)** Name of the immediate receiving waters: Unnamed Tributary of San Idelfonso Creek A. Receiving water type Identify the appropriate description of the receiving waters. \boxtimes 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 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). \boxtimes USGS flow records Historical observation by adjacent landowners Personal observation

Other, specify: Aerial Imagery 6/18/2023

		e names of all perennial strea tream of the discharge point.	ms that joi	n the receiving water within three miles						
	<u>N/A</u>									
D.	Downs	stream characteristics								
		receiving water characteristic rge (e.g., natural or man-mad		rithin three miles downstream of the aids, reservoirs, etc.)?						
	\boxtimes	Yes □ No								
	If yes,	discuss how.								
	oo1: T pools. feet do	<u>'he receiving water joins San Ide</u> <u>Man-made dams cause a series</u>	lfonso Creek of two ponds	mately 0.25 miles downstream of Outfall , an intermittent stream with perennial (Link Lake No. 2) approximately 1,200 e pond is present approximately 1.75 miles						
E .	Norma	ıl dry weather characteristic	s							
	Provide general observations of the water body during normal dry weather conditions.									
	Streambed is dry with vegetation on banks.									
		nd time of observation: 1/9/20								
	was un	e water body influenced by s	tormwater	runon during observations?						
		Yes 🛛 No								
Se	ction	5. General Character Page 65)	ristics of	the Waterbody (Instructions						
A.	Upstre	am influences								
		mmediate receiving water up iced by any of the following?		he discharge or proposed discharge site nat apply.						
		Oil field activities	\boxtimes	Urban runoff						
		Upstream discharges	\boxtimes	Agricultural runoff						
		Septic tanks		Other(s), specify:						

C. Downstream perennial confluences

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** Industrial water supply Domestic 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 2.1: STREAM PHYSICAL CHARACTERISTICS

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

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

Section 1. General Information (Instructions Page 65)
Date of study: 6/18/2023 Time of study: 4:10 PM, Google Earth
Stream name: <u>San Idelfonso Creek</u>
Location: Webb County, TX
Type of stream upstream of existing discharge or downstream of proposed discharge (check one).
\square Perennial \boxtimes Intermittent with perennial pools
Section 2. Data Collection (Instructions Page 65)
Number of stream bends that are well defined: $\underline{1}$
Number of stream bends that are moderately defined: <u>6</u>
Number of stream bends that are poorly defined: 3
Number of riffles: <u>2</u>
Evidence of flow fluctuations (check one):
⊠ Minor □ moderate □ severe
Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.
Stream is used for livestock watering with a earthen dam beyond the end of the reach.

Stream transects

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

Table 2.1(1) - Stream Transect Records

Stream type at transect	Transect location	Water surface	Stream depths (ft) at 4 to 10 points along each
Select riffle, run, glide, or pool. See Instructions,		width (ft)	transect from the channel bed to the water surface. Separate the measurements
Definitions section.			with commas.
Dry	0'-1,200' downstream	Dry	Dry
Pool	1,200'- 2,639' downstream	50-200'	0', 2', 3', 2', 0'
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 65)

Streambed slope of entire reach, from USGS map in feet/feet: 30'/2639'

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): <u>7.4 sq. mi.</u>

Length of stream evaluated, in feet: 2639'

Number of lateral transects made: <u>2</u> Average stream width, in feet: <u>Dry</u>

Average stream depth, in feet: <u>Dry</u>

Average stream velocity, in feet/second: oft/s

Instantaneous stream flow, in cubic feet/second: \underline{o} ft/s

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): <u>floating chip</u>

Size of pools (large, small, moderate, none): <u>large</u>

Maximum pool depth, in feet: 3'

U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION

TABLE OF ATTACHMENTS

<u>No.</u>	Description	<u>Reference</u>
Α	Core Data Form	Admin Rpt 1.0, Section 3.C
В	Plain Language Summary	Admin Rpt 1.0, Section 8.F
С	Public Involvement Plan Form	Admin Rpt 1.0, Section 8.G
D	USGS Map	Admin Rpt 1.0, Section 13
E	Affected Landowners Map and Information	Admin Rpt 1.1, Section 1
F	Original Photographs	Admin Rpt 1.1, Section 2
G	Buffer Zone Map	Admin Rpt 1.1, Section 3
Н	Process Flow Diagram	Tech Rpt 1.0, Section 2.C
1	Site Drawing	Tech Rpt 1.0, Section 3
J	Permit Justification	Tech Rpt 1.1, Section 1.A
K	Design Features	Tech Rpt 1.1, Section 4
L	Wind Rose	Tech Rpt 1.1, Section 5.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

1. Reason for Submission (If other is checked please describe in space provided.)

New Pern	nit, Registra	tion or Authorization (Core Data Form	should be s	submitte	d with t	the prog	ram application.)			
Renewal	Core Data I	Form should be submit	ted with the ren	ewal form)			_ o	ther			
2. Customer CN 6016804	_	ollow this li or CN or RN Central R	l numbe	ers in	3. Regulated Entity Reference Number (if issued) RN						
SECTIO	N II:	Customer	Inform	<u>ation</u>	<u>l</u>						
4. General Cu	istomer In	formation	5. Effective D	ate for Cu	ıstome	r Inforr	mation	Updates (mm/dd/	′уууу)		
☐ New Custor☐ Change in Le		UVerifiable with the Tex	er Informat State or Texa				ge in Regulated En	tity Owne	ership		
		bmitted here may b oller of Public Accou	-	tomaticall	ly base	d on wi	hat is c	urrent and active	with th	e Texas Secr	retary of State
6. Customer	6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)							If new Customer,	enter pre	evious Custom	er below:
U.S. Customs a	nd Border P	Protection									
7. TX SOS/CPA Filing Number 8. TX State				e Tax ID (11 digits)			9. Federal Tax ID (9 digits)		10. DUNS Number (if applicable)		
11. Type of C	ustomer:	☐ Corporat	ion				Individ	lual	Partne	rship: 🗌 Gen	neral 🗌 Limited
Government: ☐ City ☐ County ☒ Federal ☐ Local ☐ State ☐ Other							Sole P	e Proprietorship Other:			
12. Number o	_	ees	500 🔲 501 aı	nd higher				13. Independe	ntly Owi	ned and Ope	erated?
14. Customer	Role (Prop	posed or Actual) – as i	relates to the R	egulated Er	ntity liste	ed on th	is form.	l Please check one oj	f the follo	wing	
							Other:				
15. Mailing		nsylvania Ave. NW									
Address:	City	N, Mailstop 1102 Washington		State	DC		ZIP	20229		ZIP + 4	1102
16. Country N	/lailing Inf	ormation (if outside	USA)			17. E-	Mail Ad	ddress (if applicabl	le)		
						andrev	w.hawk@	ocbp.dhs.gov			

TCEQ-10400 (11/22) Page 1 of 3

18. Telephone Number		19. Extension or Code			20. Fax Number (if applicable)					
(317) 526-3268						() -				
ECTION III: I	Regula	ated Ent	ity Inforn	nation	_					
21. General Regulated En	tity Informa	ition (If 'New Reg	gulated Entity" is selec	cted, a new p	ermit applica	ition is also r	equired.)			
New Regulated Entity	Update to	Regulated Entity	Name Update	to Regulated	Entity Inform	ation				
The Regulated Entity Nan as Inc, LP, or LLC).	ne submitte	d may be upda	ted, in order to me	et TCEQ Co	re Data Sta	ndards (rer	noval of organ	nization	nal endings such	
22. Regulated Entity Nam	e (Enter nam	e of the site wher	e the regulated action	n is taking plo	ace.)					
Joint Processing Center Wast	ewater Treati	ment Facility								
23. Street Address of the Regulated Entity:										
		T	T	1						
(No PO Boxes)	City		State		ZIP		ZII	P + 4		
24. County	Webb									
		If no Stree	et Address is provi	ded, fields 2	25-28 are re	quired.				
25. Description to	Annrovimat	alu 1 4 milas nart	h northoast from tha	interception	of Custra Vis	ntos Doulou	and Mangan	ا منماله) and	
Physical Location:	Approximat	ely 1.4 miles norti	h-northeast from the	intersection	or Cuatro vie	nios Bouleva	aru anu iviangan	а-пеш і	Road.	
26. Nearest City						State		Nea	rest ZIP Code	
Laredo						TX		7804	46	
Latitude/Longitude are re used to supply coordinate	-	•	•		Data Stando	ırds. (Geoc	oding of the P	hysical	Address may be	
27. Latitude (N) In Decima	al:	27.4204308		28. L	ongitude (\	V) In Decin	nal: 9	9.45160)49	
Degrees Minutes			Degre	ees	Minutes		Seconds			
29. Primary SIC Code	30	Secondary SIC	Code				32. Seconda	ry NAI	CS Code	
(4 digits)	•			31. Primary NAICS Co (5 or 6 digits)			(5 or 6 digits)			
4952				221320						
33. What is the Primary B	usiness of t	his entity? (Do	o not repeat the SIC o	r NAICS desci	ription.)					
Treatment of domestic waste	water									
34. Mailing	207 W Del	Mar Blvd								
Address:										
	City	Laredo	State	тх	ZIP	78041	Z	IP + 4		
35. E-Mail Address:	ana	lisa.r.oviedogome	ez@associates.cbp.dl	ns.gov						
36. Telephone Number		37. Extension or Code 38. Fax Number (if applicable)								

TCEQ-10400 (11/22) Page 2 of 3

(956) 566-0220

() -

☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inventory Air		☐ Industrial Hazardous Wa		
Municipal Solid Waste		New Source	OSSF		Petroleum Storage Tank		☐ PWS		
☐ Sludge ☐ Voluntary Cleanup							Used Oil		
		Storm Water	Title V Air		Tires		Osed Oil		
		Wastewater	☐ Wastewater Agricul	ture Water Right		i	Other:		
ECTION	IV: Pro	eparer Inf	ormation						
40. Name: Je	nni Griesel, P.I	Ξ.		41. Title: Project Engineer					
42. Telephone Nu	mber	43. Ext./Code	44. Fax Number	45. E-Mail	Address				
(512) 687-2193			() =	jgriesel@plu	immer.com				
. By my signature b	elow, I certify	thorized S to the best of my kno entity specified in Sec	Signature owledge, that the information ction II, Field 6 and/or as re	on provided in t quired for the u	his form is tru pdates to the	e and complet ID numbers ide	e, and that I have si entified in field 39.	ignature authority	
Company:	U.S. Custo	ms and Border Protec	tion	Job Title:	Assistant Managen		, Office of Facilities	and Asset	
Name (In Print): Yvonne Medina		edina				Phone:	(202) 875- 443	88	
	Signature:					Date:	6.26	-25.	
Signature:									

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.

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.

U.S. Customs and Border Protection (CN601680440) proposes to operate Joint Processing Center Wastewater Treatment Facility, a percolating biofilter vermicomposting facility. The facility will be located approximately 1.4 miles north-northeast from the intersection of Cuatro Vientos Boulevard and Mangana-Hein Road, in Laredo, Webb County, Texas 78046. This application is for a new permit to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 26,000 gallons per day.

Discharges from the facility are expected to contain 5-day carbonaceous biochemical oxygen demand, ammonia-nitrogen, total suspended solids, and E. coli. Domestic wastewater will be treated by an automatic fine screen, bag filters, an equalization tank, two-pass percolating biofilters, and ultraviolet (UV) disinfection.

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

AGUAS RESIDUALES DOMÉSTICAS /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.

Aduanas y Protección Fronteriza de los Estados Unidos (CN601680440) propone operar la instalación de tratamiento de aguas residuales del Joint Processing Center, una instalación de vermicompostaje con biofiltro percolador. La instalación estará ubicada aproximadamente 1,4 millas al norte-noreste desde la intersección de Cuatro Vientos Boulevard y Mangana-Hein Road, en la ciudad de Laredo, Condado de Webb, Texas 78046. Esta solicitud es para un nuevo permiso para autorizar la descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 26,000 galones por día..

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de 5 días, nitrógeno amoniacal, sólidos suspendidos totales y E. coli. Aguas residuales domésticas estará tratado por una pantalla fina automática, filtros de mangas, un tanque de ecualización, biofiltros de percolación de dos pasos y desinfección ultravioleta (UV).

ATTACHMENT C

Public Involvement Plan Form Admin Rpt 1.0, Section 8.G

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening
New Permit or Registration Application New Activity - modification, registration, amendment, facility, etc. (see instructions)
If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.
Section 2. Secondary Screening
Requires public notice, Considered to have significant public interest, and
Located within any of the following geographical locations:
 Austin Dallas Fort Worth Houston San Antonio West Texas Texas Panhandle Along the Texas/Mexico Border Other geographical locations should be decided on a case-by-case basis
If all the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2 and submit the form.
Public Involvement Plan not applicable to this application. Provide brief explanation.
Applications for new domestic wastewater permit in this area have not received public comments.

Page 1 of 4

TCEQ-20960 (02-09-2023)

Section 3. Application Information
Type of Application (check all that apply): Air
Water Quality
Texas Pollutant Discharge Elimination System (TPDES)
Texas Land Application Permit (TLAP)
State Only Concentrated Animal Feeding Operation (CAFO)
Water Treatment Plant Residuals Disposal Permit
Class B Biosolids Land Application Permit
Domestic Septage Land Application Registration
Water Rights New Permit New Appropriation of Water New or existing reservoir Amendment to an Existing Water Right Add a New Appropriation of Water Add a New or Existing Reservoir
Major Amendment that could affect other water rights or the environment
Section 4. Plain Language Summary
Provide a brief description of planned activities.

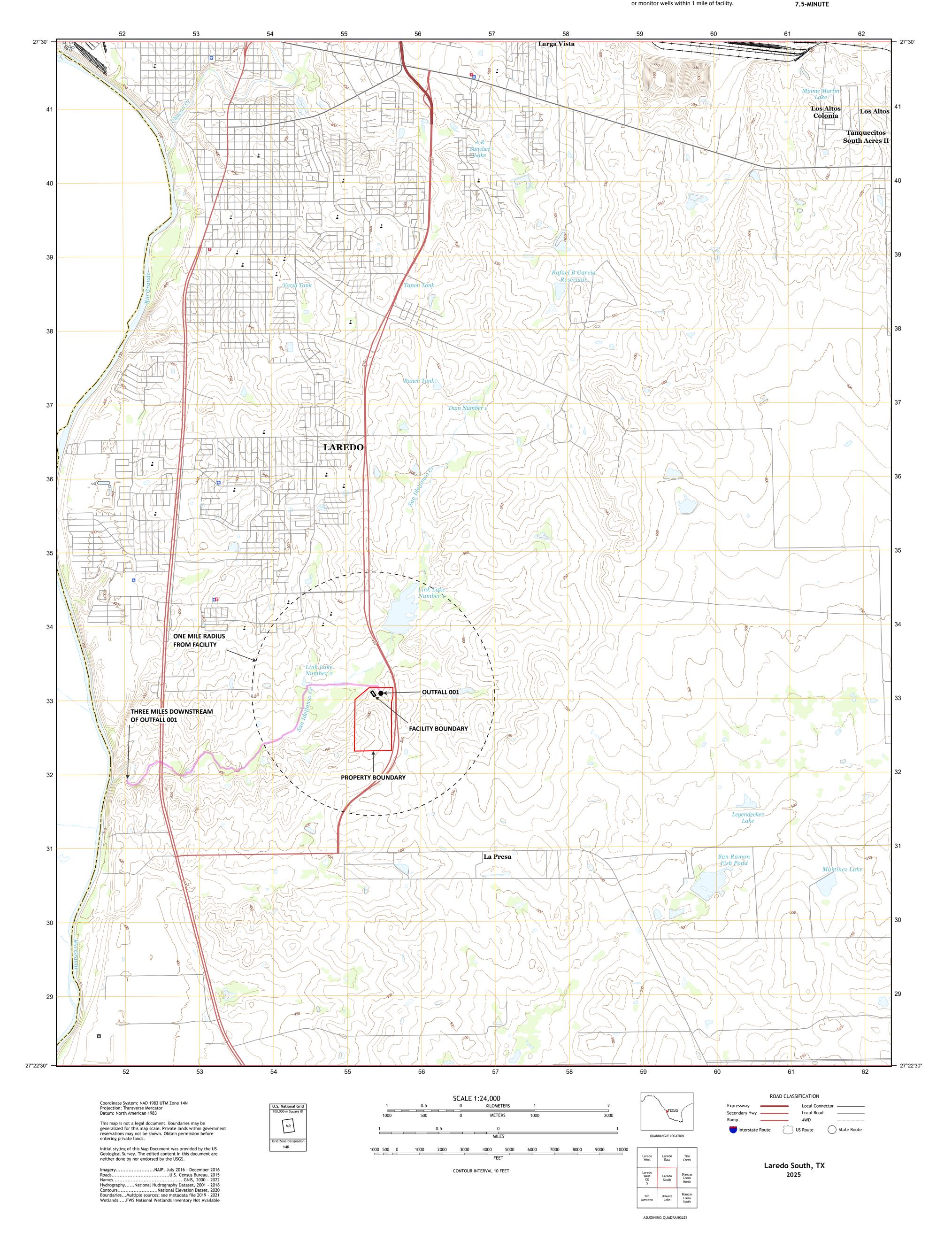
Section 5. Community and Demographic Information
Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.
Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.
language notice is necessary. Freuse provide the ronowing information
(City)
(County)
(Census Tract) Please indicate which of these three is the level used for gathering the following information. City Census Tract
(a) Percent of people over 25 years of age who at least graduated from high school
(b) Per capita income for population near the specified location
(c) Percent of minority population and percent of population by race within the specified location
(d) Percent of Linguistically Isolated Households by language within the specified location
(e) Languages commonly spoken in area by percentage
(f) Community and/or Stakeholder Groups
(g) Historic public interest or involvement

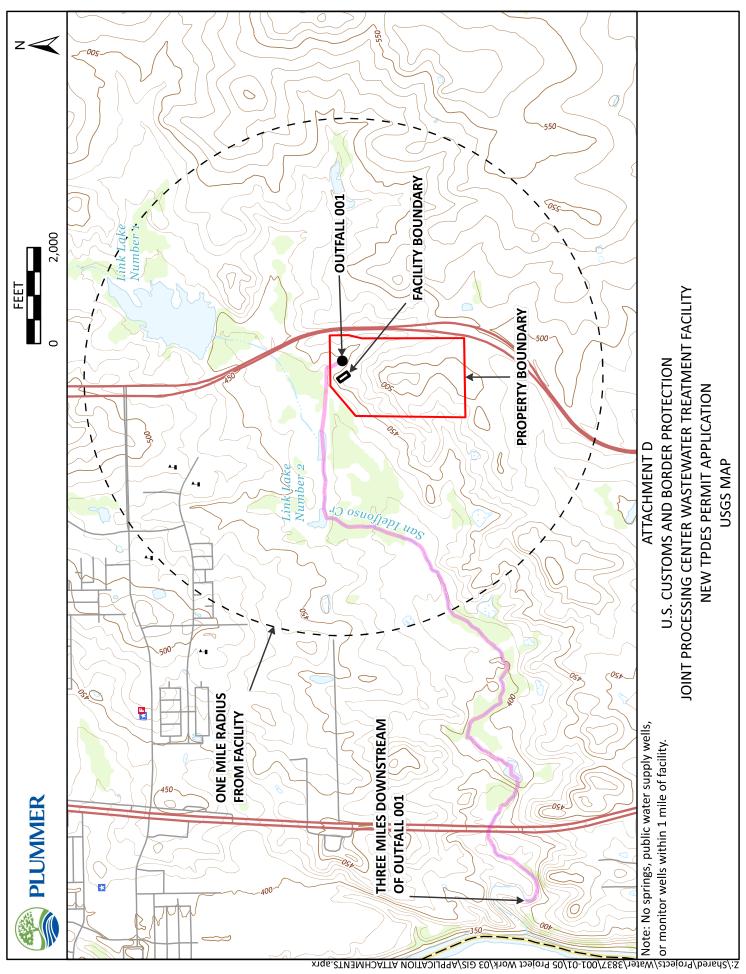
Section 6. Planned Public Outreach Activities
(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39? Yes No
(b) If yes, do you intend at this time to provide public outreach other than what is required by rule? Yes No If Yes, please describe.
If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.
(c) Will you provide notice of this application in alternative languages? Yes No
Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.
If yes, how will you provide notice in alternative languages?
Publish in alternative language newspaper
Posted on Commissioner's Integrated Database Website
Mailed by TCEQ's Office of the Chief Clerk
Other (specify)
(d) Is there an opportunity for some type of public meeting, including after notice? Yes No
(e) If a public meeting is held, will a translator be provided if requested?
Yes No
(f) Hard copies of the application will be available at the following (check all that apply):
TCEQ Regional Office TCEQ Central Office
Public Place (specify)
Tuble Title (open)
Section 7. Voluntary Submittal
For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.
Will you provide notice of this application, including notice in alternative languages? Yes No What types of notice will be provided?
Publish in alternative language newspaper
Posted on Commissioner's Integrated Database Website
Mailed by TCEQ's Office of the Chief Clerk
Other (specify)

TCEQ-20960 (02-09-2023) Page 4 of 4

ATTACHMENT D

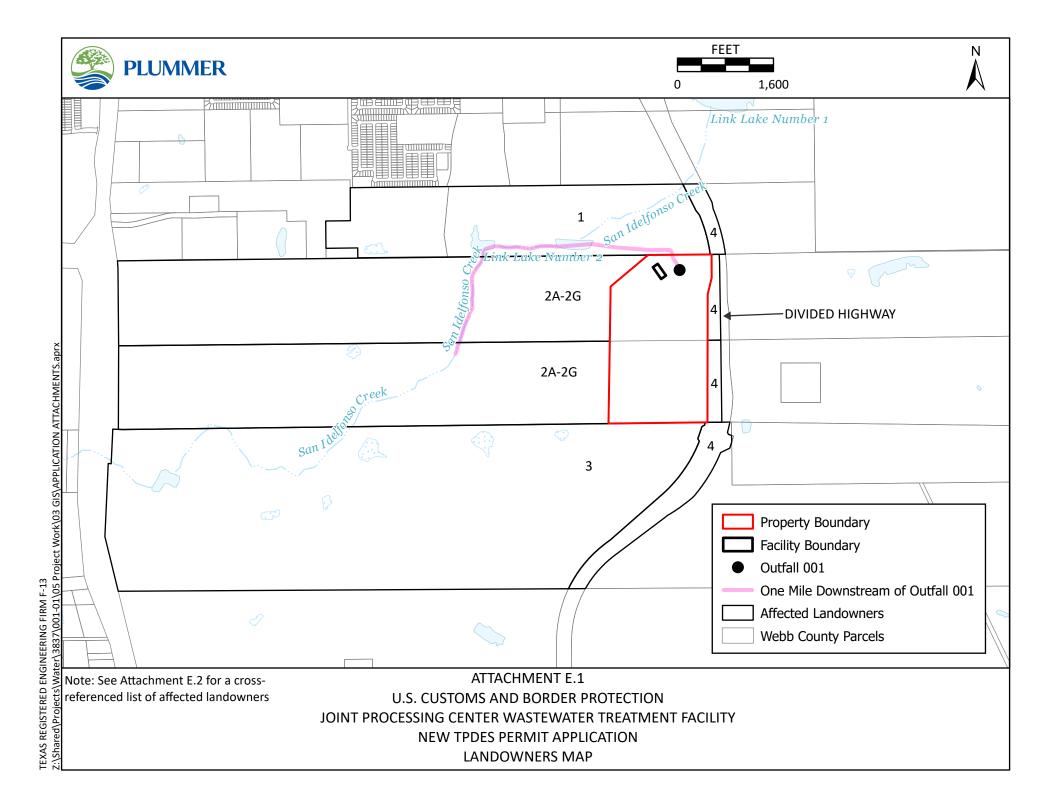
USGS Map Admin Rpt 1.0, Section 13





ATTACHMENT E

Affected Landowners Map and Information
Admin Rpt 1.1, Section 1



ATTACHMENT E.2

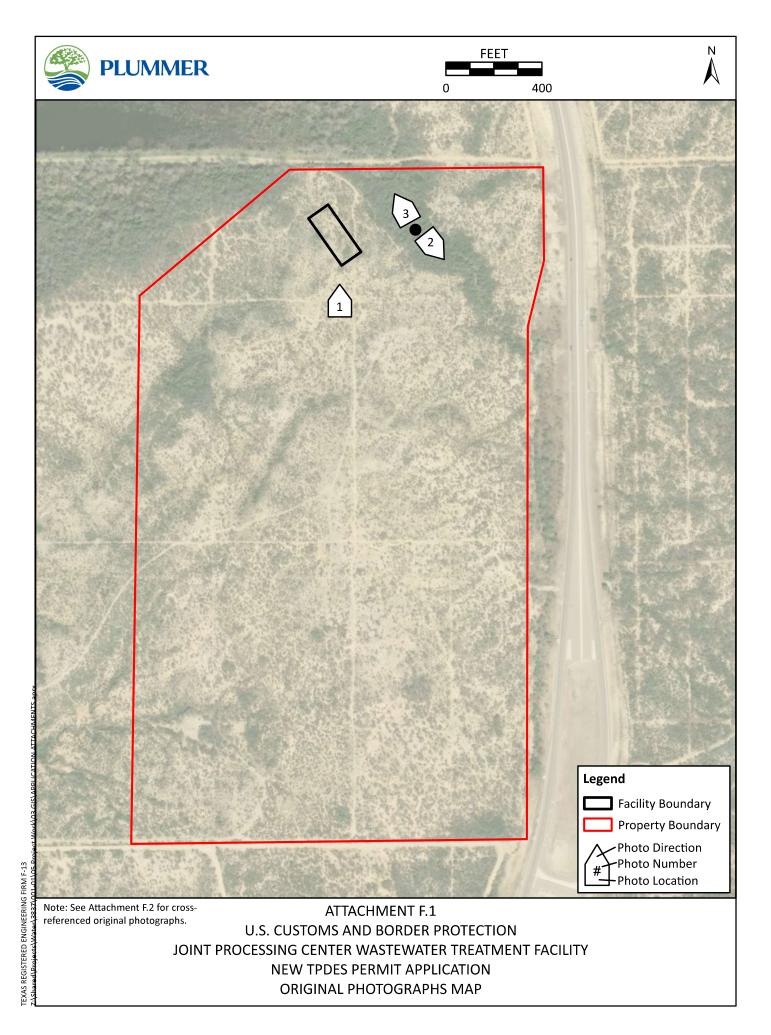
U.S. CUSTOMS AND BORDER PROTECTION

JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION AFFECTED LANDOWNERS LIST

MAP ID	LANDOWNER NAME	LANDOWNER ADDRESS
1	NEW LAKE INVESTMENTS LTD	6145 W US HIGHWAY 90
		UVALDE, TX 78801
2A	SCHWARZ H D III	PO BOX 535
		HEMPSTEAD, TX 77445
2B	SCHWARZ R JOSEPH	PO BOX 450235
		LAREDO, TX 78045
2C	HIRSCH INVESTMENTS LTD	PO BOX 2658
		EDWARDS, CO 81632
2D	SCHWARZ NATALIE C	2811 FERNDALE ST
		HOUSTON, TX 77098
2E	TERRENCE LEWIS TRUST	466 CHANNING AVE
		WEESTFIELD, NJ 07090
2F	CHARLES D ROTTERSMANN TRUST	34 GEORGE F WILLETT PKWY
		NORWOOD, MA 02062
2G	MACKENZIE MEREDITH E	34 GEORGE F WILLETT PKWY
		NORWOOD, MA 02062
3	SOUTH WEBB COUNTY LTD	PO BOX 3229
		LAREDO, TX 78044
4	THE STATE OF TEXAS	125 E 11TH ST
		AUSTIN, TX 78701

ATTACHMENT F

Original Photographs
Admin Rpt 1.1, Section 2



ATTACHMENT F.2 U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION ORIGINAL PHOTOGRAPHS



Photo 1: Proposed facility location, facing north.



Photo 2: Upstream of Outfall 001, facing southeast.

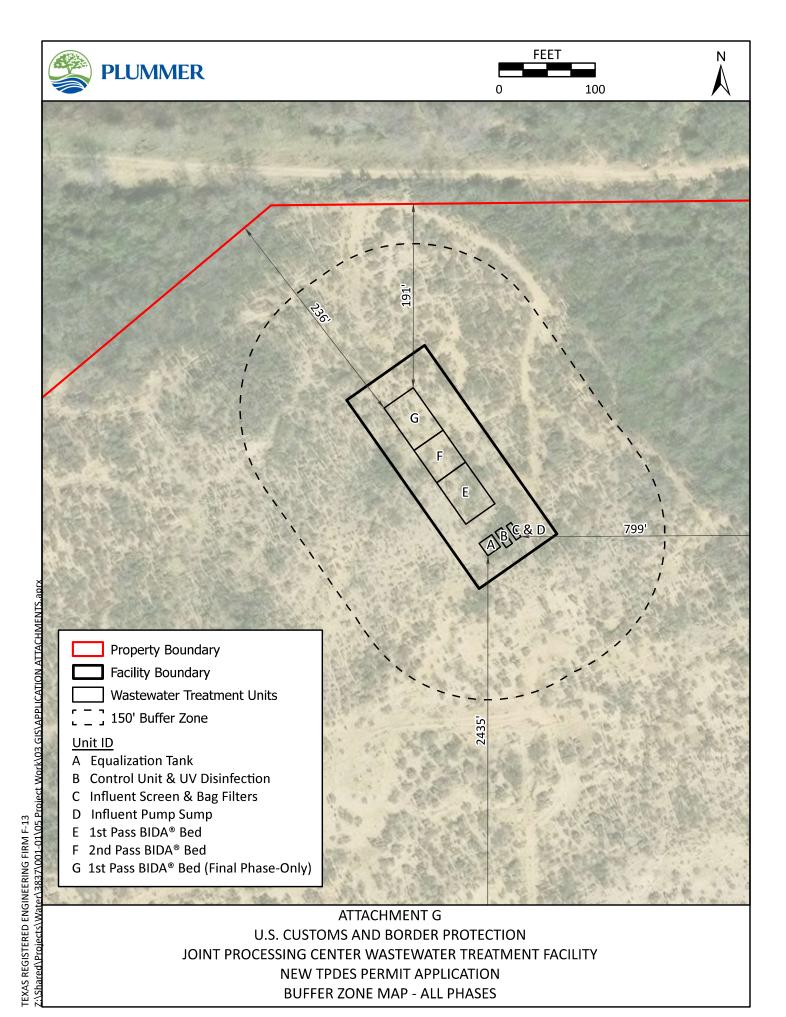
ATTACHMENT F.2 U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION ORIGINAL PHOTOGRAPHS



Photo 3: Downstream of Outfall 001, facing northwest.

ATTACHMENT G

Buffer Zone Map
Admin Rpt 1.1, Section 3

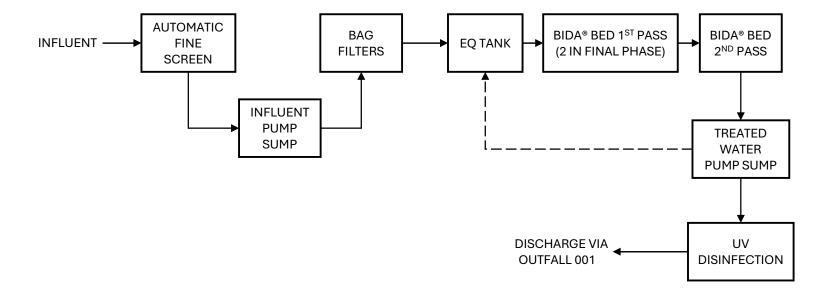


ATTACHMENT H

Process Flow Diagram
Tech Rpt 1.0, Section 2.C

— FLOW STREAM

——— ALTERNATE FLOW



ATTACHMENT H
U.S. CUSTOMS AND BORDER PROTECTION

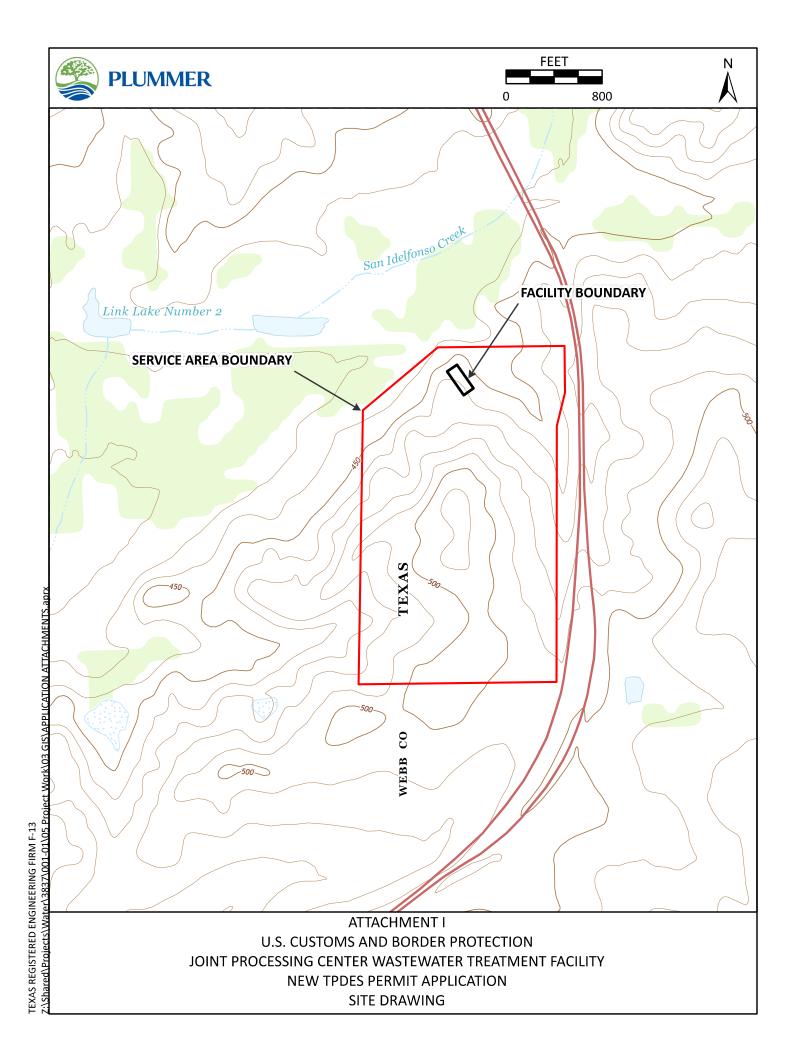
JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY

NEW TPDES RENEWAL APPLICATION

PROCESS FLOW DIAGRAM – ALL PHASES

ATTACHMENT I

Site Drawing
Tech Rpt 1.0, Section 3



ATTACHMENT J

Permit Justification
Tech Rpt 1.1, Section 1.A

ATTACHMENT J

U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION PERMIT JUSTIFICATION

The U.S. Customs and Border Protection (CBP) is applying for a new Texas Pollutant Discharge Elimination System (TPDES) permit to discharge treated domestic wastewater at a daily average flow not to exceed 26,000 gallons per day, or 0.026 million gallons per day (MGD). A batch-discharge domestic wastewater treatment facility will be constructed for the Joint Processing Center (Center), a new federal governmental facility near Laredo, TX, with a planned operation date of February 2026. The Center will not be connected to the City of Laredo's or Webb County's existing sewer service, as it is a federal project that does not have approval to connect to existing collection systems. The Center will serve approximately 1,300 people in the Interim I phase and 2,600 people in the Final phase. Table 1 shows the proposed permit phases and discharge timeframes.

Table 1. Proposed Permit Phases

Phase	Daily Average Flow (MGD)	Construction Start Date	Discharge Start Date
Interim I	0.013	November 2025	June 2027
Final	0.026	December 2026	July 2027

A QUAL-TX model was performed on the unnamed tributary, San Idelfonso Creek, and San Idelfonso Creek's on-channel ponds. The permit limits will be for 5-day carbonaceous oxygen demand (CBOD $_5$), ammonia-nitrogen (NH $_3$ -N), total suspended solids (TSS), and dissolved oxygen (DO), all in units of milligrams per liter (mg/L). The proposed limits are shown in Table 2 and have been modeled to be protective of the receiving waters.

Table 2. Proposed Permit Limits

Phase	Daily Average Flow (MGD)	CBOD₅ (mg/L)	NH₃-N (mg/L)	TSS (mg/L)	DO (mg/L)
Interim I	0.013	10	3	15	4
Final	0.026	10	3	15	4

The Procedures to Implement the Texas Surface Water Quality Standards (IPs) on page 48 indicate that discharges above 0.1 MGD are evaluated for nutrient impacts.¹ As this facility's proposed permitted discharge is 0.026 MGD, a total phosphorus limit need not be included.

¹ "Other situations where receiving streams appear to be especially sensitive to nutrient increases can also be considered. Smaller proposed discharges (such as those between 0.1 to 0.25 MGD) can also be of concern and will be evaluated for TP limits if the discharge location is into a sensitive area with very low dispersion/dilution."

ATTACHMENT K

Design Features
Tech Rpt 1.1, Section 4

ATTACHMENT K

U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION DESIGN FEATURES

Introduction

The proposed Joint Processing Wastewater Treatment Facility (Facility) has been designed by BioFiltro to treated domestic wastewater using a Biodynamic Aerobic (BIDA®) System. The Facility has been designed to treat effluent to the quality shown in Table 1. The following information has been provided by BioFiltro in their September 2024 BIDA® System Design Quote.

NH₃-N Daily Average CBOD₅ TSS DO Phase Flow (MGD) (mg/L) (mg/L)(mg/L)(mg/L)10 3 15 4 0.013 Interim I 0.026 10 3 15 4 Final

Table 1. Proposed Effluent Quality

Overall Treatment Method/Technology

BioFiltro's BIDA® System can be classified as a percolating biofilter, where the filtering media consists of wood chips and shavings. Wastewater is spray irrigated over the filter media, and organic constituents in the wastewater are digested by the microbes that grow in the media and form biofilm. The media is inhabited by worms (*Eisenia andrei*) as an improvement to biological treatment by providing natural aeration, proliferating the biofilm, mixing, and further reducing biological solids.

To meet the effluent quality outlined in Table 1, BioFiltro is proposing a BIDA® System with a total area of $4,200 \, \mathrm{ft}^2$, with $2,700 \, \mathrm{ft}^2$ in the Interim I Phase and an additional $1,500 \, \mathrm{ft}^2$ in the Final Phase. The Final Phase includes a second pass worm bed for flows up to $0.026 \, \mathrm{million}$ gallons per day (MGD) to ensure high quality effluent as described in the above table. Effluent will undergo tertiary treatment via ultraviolet (UV) disinfection to ensure effluent can be safely disposed of onsite. BioFiltro does not include a pH adjustment system and assumes influent arrives between 5.5-7 to the system. Treated water shall leave the system in the range of 6-9.

Anticipated Process Flow

It is assumed that 100% of the facility's domestic wastewater arrives at a new pump sump. From here, duplex pumps will convey pressurized (minimum 15 psi) wastewater to a new 2-mm self-bagging screen or equivalent, as specified and provided by BioFiltro as part of the detailed design. BioFiltro's project and scope of design begins with this primary screen. From the screen, the proposed process shall have water gravity flow into a new pump sump that will convey wastewater into a 7,000-gallon equalization (EQ) tank, with final volume to be determined as part of detailed design. Here, sensors and probes monitor and track water quality (temperature, pH), volume, and depth within the tank, and log this data locally and wirelessly via our telemetry system. A custom programmable logic control system, located in a BioFiltro provided Control Unit, shall trigger pumps to send water from the EQ tank and to the BIDA® System treatment bed(s). While the irrigation frequency shall depend on a timer, level float switches in the EQ tank can bypass the timer and either skip an irrigation cycle if there is no water available or immediately irrigate to avoid overflow.

ATTACHMENT K U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION DESIGN FEATURES

The proposed BIDA® System requires a total area of 4,200 ft² for treatment, with 2,700 ft² in the Interim I Phase and an additional 1,500 ft² in the Final Phase, all installed in a contiguous rectangular treatment system contained within a concrete basin with concrete walls and a lined floor. Water shall be evenly dispersed across the first pass treatment area of 1,500 ft² and trickle down through layers of wood chips and shavings with worms, microbes, geotextiles, and drainage cells, before flowing out along the sloped lined foundation to a drainage exit and into a pump sump that will convey water to a second pass treatment area of 1,200 ft², where is shall percolate through the BIDA® layers and drain into another pump sump. This second pass treatment area is suitable for both the Interim I and Final phases. BioFiltro will provide this pump sump and (2) recirculation pumps to convey water back to BioFiltro's Control Unit for UV disinfection or EQ tank as necessary for recirculation¹. BioFiltro's scope of supply ends when treated water gravity flows out of the Control Unit's UV disinfection system and into the proposed detention pond. Subgrade piping from the Control Unit to the detention pond is by others.

Screening & Solids Generation

Solid separation will collect solid material that will be diverted from the wastewater stream. It is expected that the operators will clean out and maintain any screens or tanks solids installed upstream of BioFiltro's primary screening and EQ tank. BioFiltro is specifying a self-bagging screen to make rejected solids easier to handle and less odorous. Solids may need to be pumped out of the BioFiltro EQ tank once every 1-2 years as part of general maintenance, but no other sludge is anticipated to be generated as part of the treatment process. BioFiltro or a subcontractor shall perform primary screening and EQ tank solids maintenance.

Remote Monitoring via Internet of Worms (IoW)

Equipment provided by BioFiltro shall be controlled and monitored by BioFiltro's Internet of Worms (IoW) telemetry platform. Using cellular data for connectivity, IoW tracks and logs data in real time such as flow, pressure, tank levels, pH, etc. The permittee shall be provided with license(s) to the client-facing side of the platform once the system is operational, which enables them to view the data in a downloadable format. Ranges for influent parameters are established within the system, so that if the platform detects abnormalities, alarms are sent out via text message and email. A monthly system report shall summarize constituents, such as gallons per day, gallons per month, per year, influent/effluent BOD/TSS data, etc.

Worm Castings Generation from the BIDA® System

The BIDA® System generates "vermicompost", or worm castings mixed with wood shavings. Worms push castings to the system surface which, over time, will form a top layer of vermicompost. To maintain optimum performance, this layer must be removed from the system, replenished with fresh media, and reseeded with reserved worm-rich material approximately every 5 years. The reseeding ratio is approximately 0.1 pounds of worm-rich material per square foot of BIDA®. Harvested vermiproduct, a beneficial soil amendment, can be reused onsite in limited access areas as a soil amendment, subject to

¹ BioFiltro is including recirculation of treated water in the design and scope of supply to address the possibly for facility shutdowns. BioFiltro will include (2) recirculation pumps in the treated water sump to convey water to the EQ tank, if necessary. So long as there is power to the wastewater treatment plant, BioFiltro's system can automatically recirculate treated water exiting the system back to the EQ tank to ensure the worm beds stay moist should the facility shut down for a month or longer.

ATTACHMENT K

U.S. CUSTOMS AND BORDER PROTECTION JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY NEW TPDES PERMIT APPLICATION DESIGN FEATURES

any applicable waste discharge requirements or local agency permits, or can be disposed of as feedstock at a biosolids treatment facility.

Additional Considerations

Odors are normal for domestic wastewater treatment during BIDA® irrigation within the immediate vicinity of the treatment beds and EQ tank, with the BIDA® beds smelling mostly of compost. The EQ tank is equipped with a recirculation line with air injection to reduce the potential for anaerobic conditions to develop within the tank. Odors may occur if upstream solids separation is not properly maintained as solids can build up in EQ tank and/or on top of the BIDA® System. BioFiltro personnel shall alert the facility owners should such a situation be occurring and recommend immediate preventive measures.

No pieces of equipment are anticipated to generate significant noise, with pumps expected to be submersible or installed inside the control unit.

BioFiltro will design a removable windscreen to be installed along the walls of the treatment beds as part of the overall design to mitigate irrigation overspray

Design Drawings

The following pages present BioFiltro's 65% design drawings of the Facility.

BIOFILTRO BIDA® WASTEWATER TREATMENT SYSTEM

DECEMBER 2024

Purpose of project: treat up to 26,000 gallons of domestic wastewater per day.

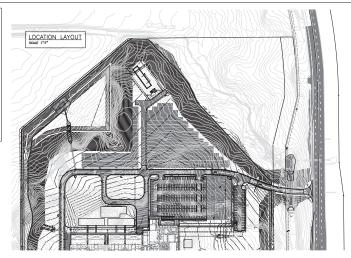
NOTES

- MEASURED IN FEET AND INCHES.
 THERE IS NOT A WALL TO SEPARATE THE MODULES.
- DRAWING LIST

- 1. TITLE SHEET
 GENERAL LAYOUT
 LOCATION LAYOUT
 2. READ
 2. READ
 3. READ
 4. ED TANK
 5. CONTROL UNIT
 6. IRRIGATION AND ENTILATION
 7. FILLING AND BOUNDARY
 8. CANL WORKNIT
 10. POST-TREATMENT SYSTEM AND VAULT

SANITARY WATER SYSTEM FOR CBP

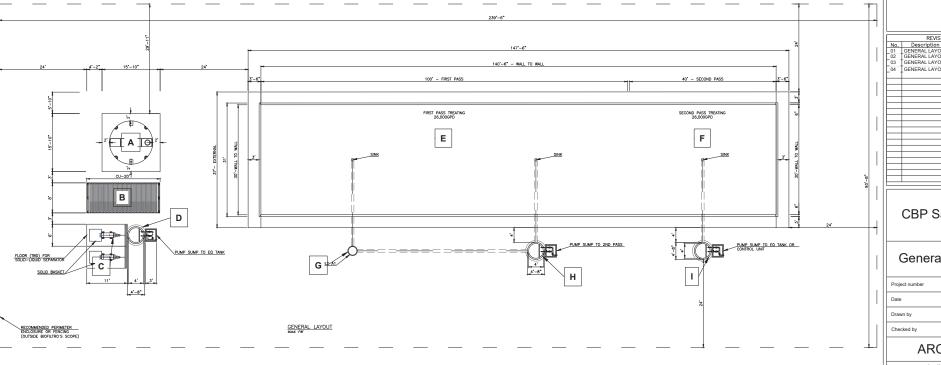
- Equalization tank of 7000 gallons.
- Control Unit.
- IPEC SLB Series Solid Separator.
- Influent Pump Sump.
- 1st pass BIDA® BED: 1 module of 3000 sqft.
- 2nd pass BIDA® BED: 1 module of 1200 sqft.
- Utility vault.
- Treated Water Pump Sump to second module pass.
- Treated Water Pump Sump to EQ tank or Control Unit (UV disinfection).





www.biofiltro.com

Consultant Address Address Phone Fax e-mail



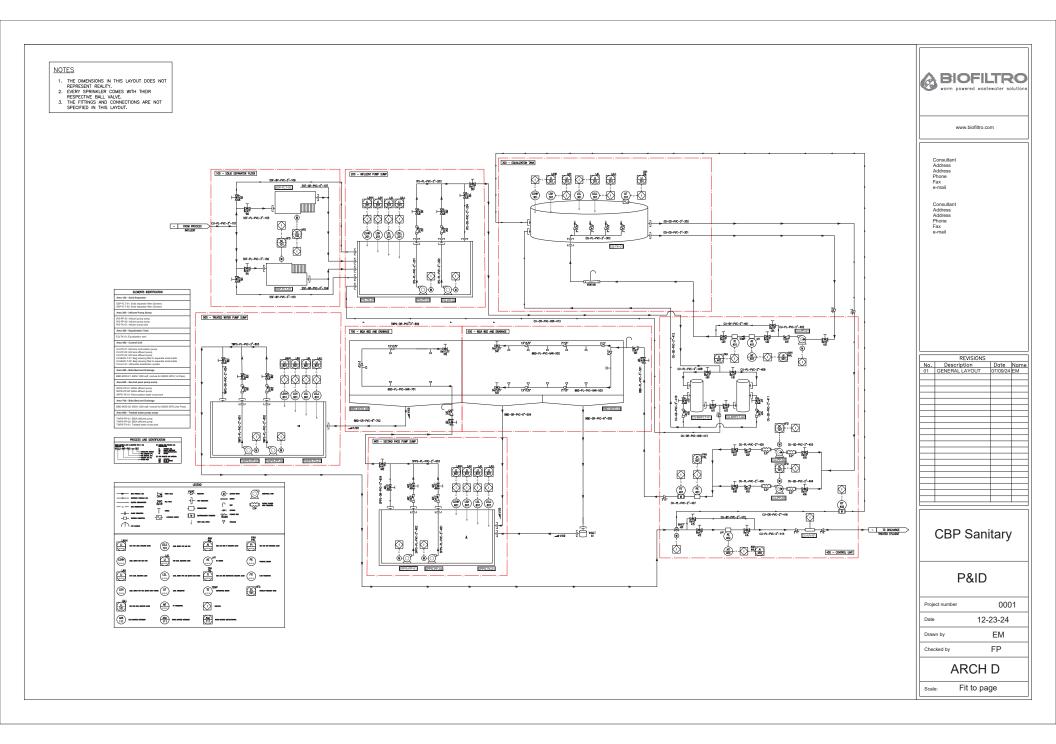
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REVISIONS						
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02	GENERAL LAYOUT	10/15/24	EM			
03	GENERAL LAYOUT	11/29/24	EM			
04	GENERAL LAYOUT	12/05/24	EM _			
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CBP Sanitary

General Layout

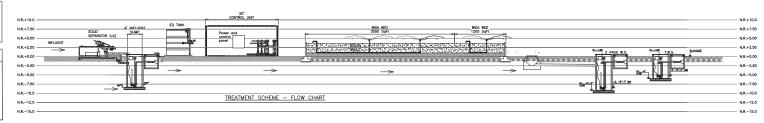
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Checked by	FP		
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ARCH D Indicated





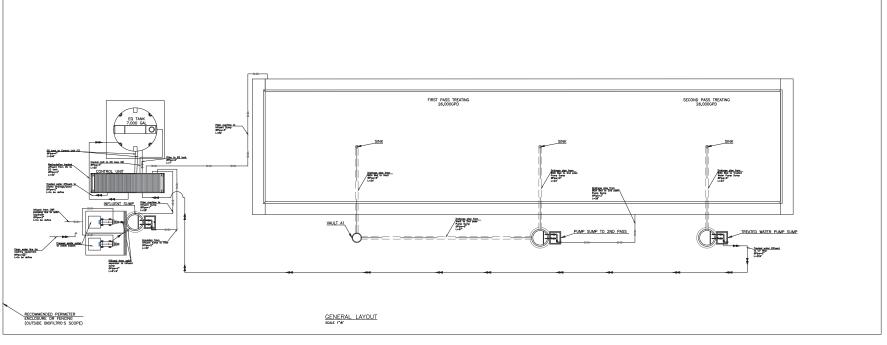






Address Address Phone Fax e-mail

Consultant Address Address Phone Fax e-mail



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	GENERAL LAYOUT	Description Date GENERAL LAYOUT 07/08/24

REVISIONS

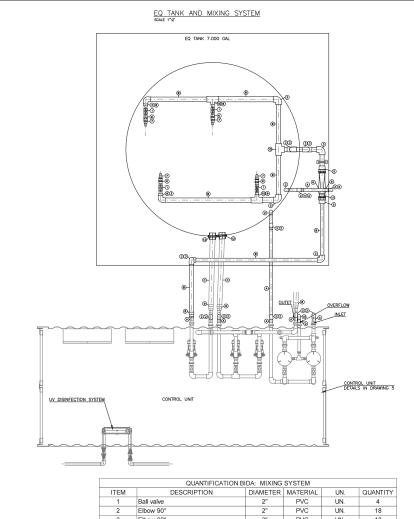
CBP Sanitary

Sanitary Site

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Date	12-23-24		
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Checked by	FP		

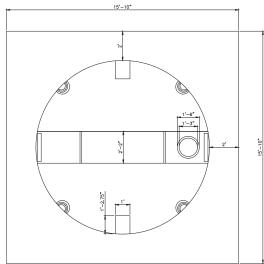
ARCH D

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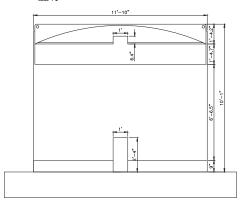


	QUANTIFICATIO	ON BIDA: MIXING	SYSTEM		
ITEM	DESCRIPTION	DIAMETER	MATERIAL	UN.	QUANTITY
1	Ball valve	2"	PVC	UN.	4
2	Elbow 90°	2"	PVC	UN.	18
3	Elbow 90°	3"	PVC	UN.	12
4	Tee	2"	PVC	UN.	1
5	Female adapter socket	3"	PVC	UN.	2
6	Female adapter socket	2"	PVC	UN.	6
7	nozzle N22 Mazzei	2"	PVC	UN.	4
8	Reducing bushing	3" - 2"	PVC	UN.	6
9	Reducing bushing	4" - 2"	PVC	UN.	2
10	Tee	3"	PVC	UN.	3
11	Venturi mazzei 3090	3"	PVC	UN.	1
12	Tank joint	4"	PVC	UN.	2
13	Elbow 90°	1"	PVC	UN.	1
Α	PVC Sch 40 pipe	2"	PVC	FT	35
В	PVC Sch 40 pipe	3"	PVC	FT	100
С	PVC Sch 40 pipe	4"	PVC	FT	12
D	PVC Sch 40 pipe	1"	PVC	FT	1





EQ TANK FRONT VIEW





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Consultant Address Address Phone Fax

Consultant Address Address Phone Fax e-mail

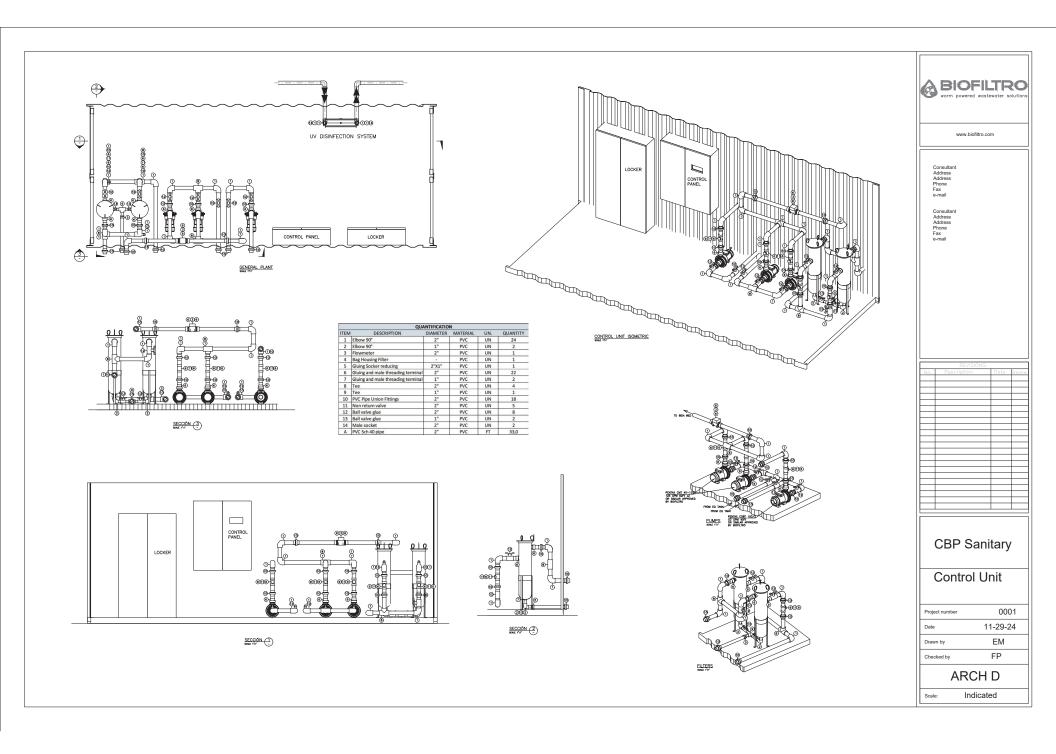
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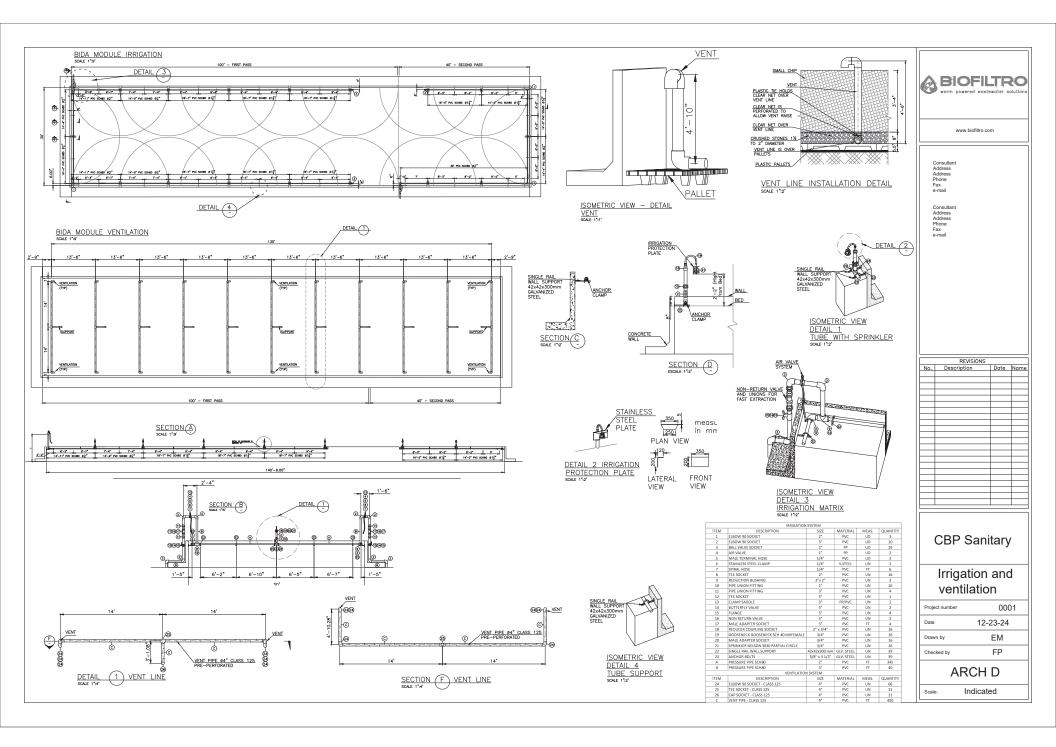
CBP Sanitary

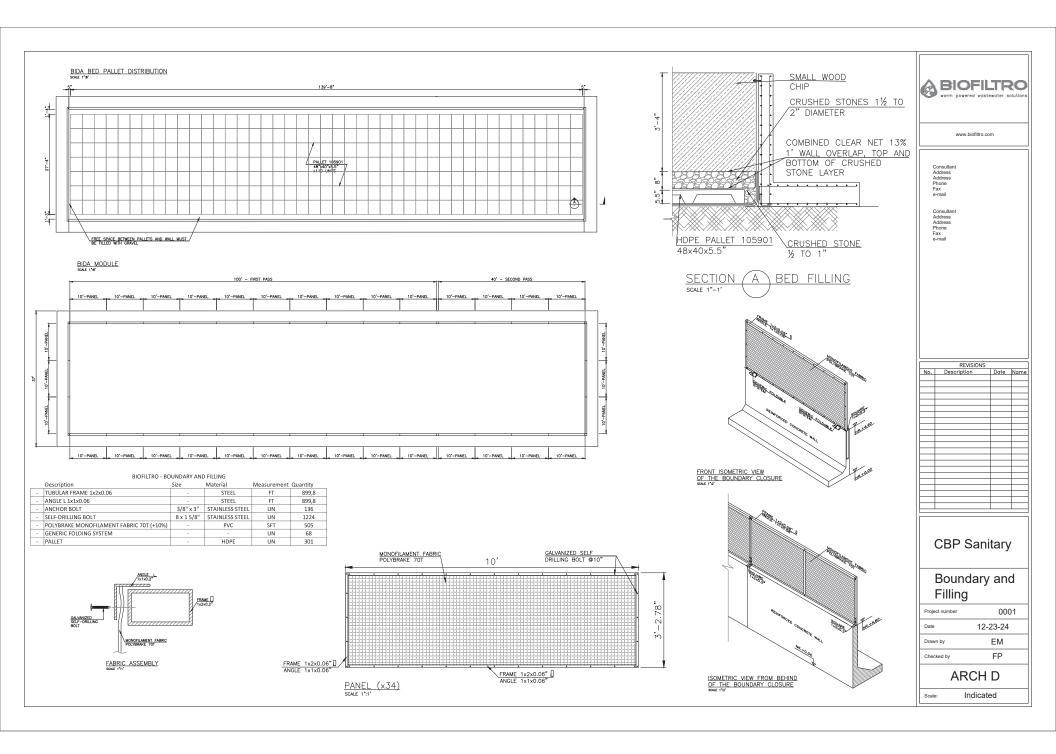
EQ Tank

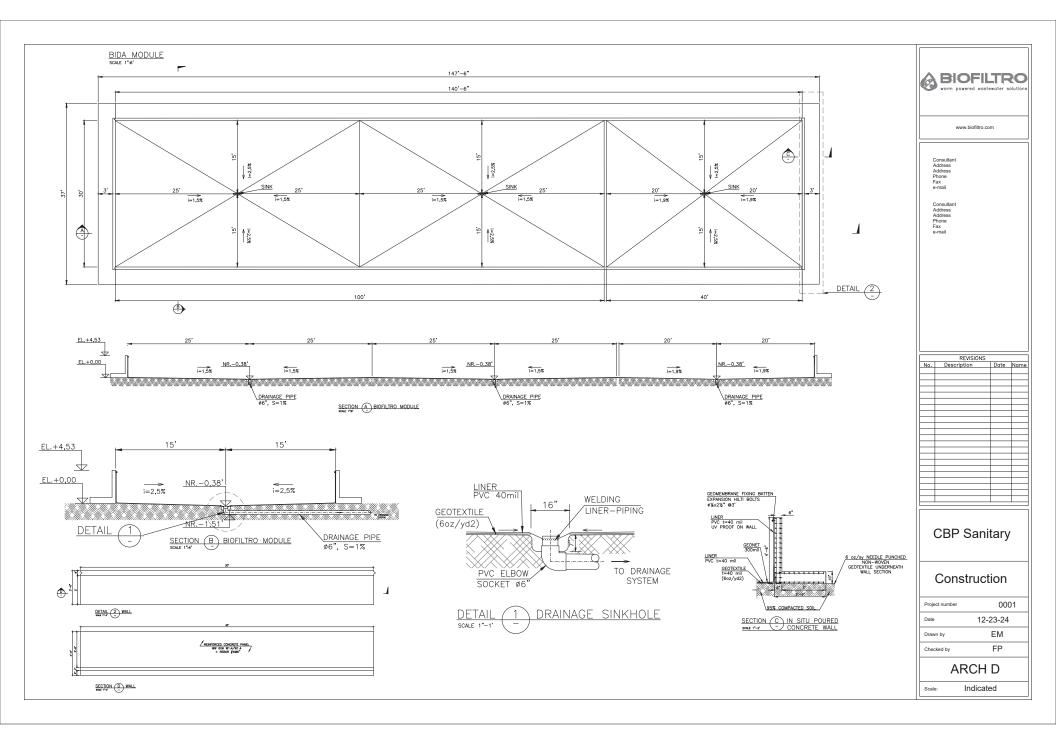
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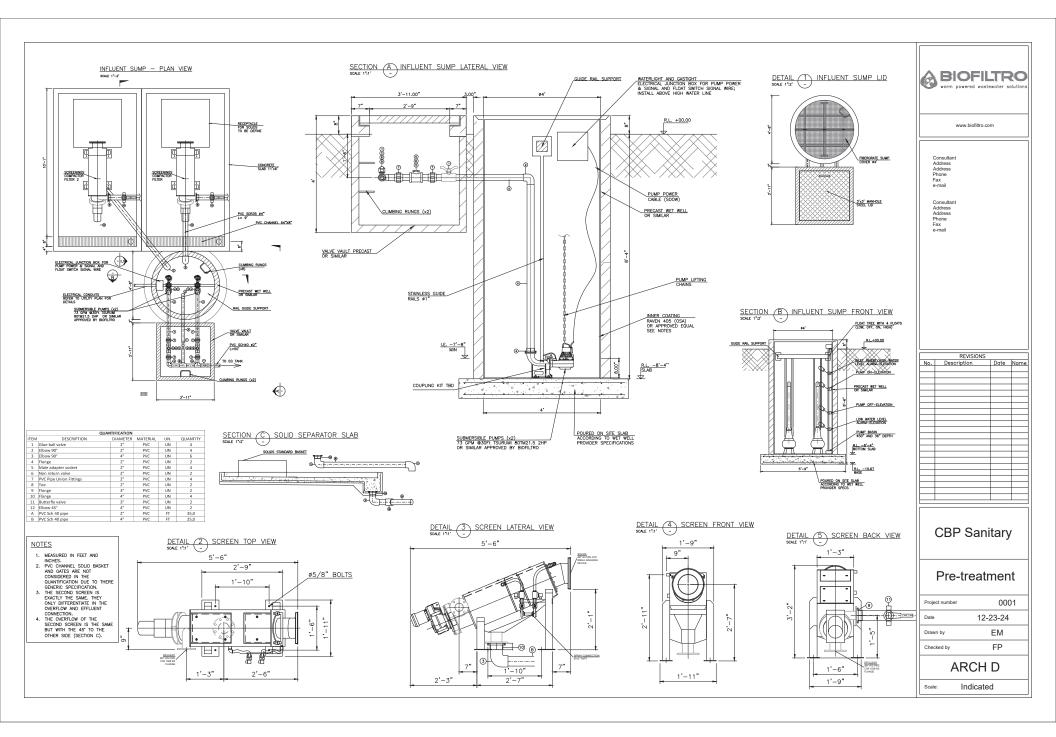
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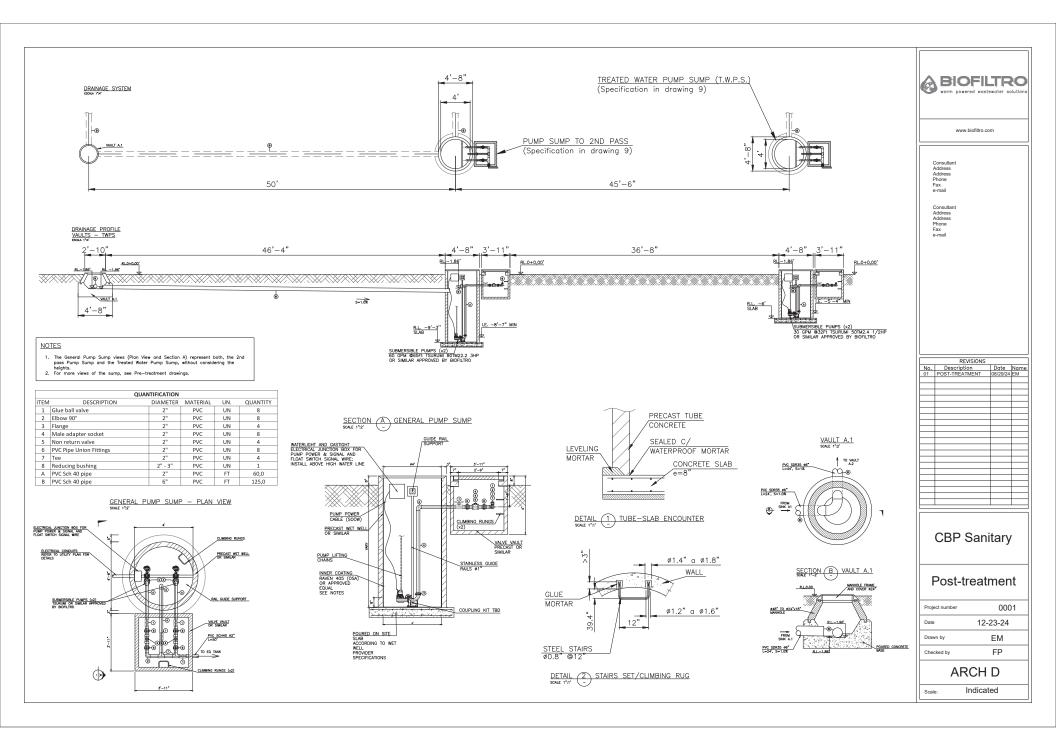












ATTACHMENT L

Wind Rose Tech Rpt 1.1, Section 5.B

FREQUENCY OF WIND DIRECTION

PREVAILING WINDS FOR COTULLA LA SALLE COUNTY AP, TX

SOURCE: MIDWESTERN REGIONAL CLIMATE CENTER

Z:\Shared\Projects\Water\3837\001-01\05 Project Work\05 Permitting\01 Permit Application\Attachments\Att L Wind Rose.pptx TEXAS REGISTERED ENGINEERING FIRM F-13

ATTACHMENT L
U.S. CUSTOMS AND BORDER PROTECTION
JOINT PROCESSING CENTER WASTEWATER TREATMENT FACILITY
NEW TPDES PERMIT APPLICATION
WIND ROSE