Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

Hidalgo County Municipal Utility District No.1 (CN:600623581) operates HIDALGO COUNTY MUD 1 WWTP (RN105767032), a wastewater treatment facility. The facility is located at approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and Interstate 2 and approximately 1.9 miles northwest of the intersection of Farm-to-Market Road 492 and Interstate 2, in Mission, Hidalgo County, Texas 78572. Renewal to discharge an average daily flow volume no more than 950,000 gallons per day of treated domestic water.

Discharges from the facility are expected to contain HEM, phosphorus, chloride, nitrate-nitrogen, sulfate, ammonia nitrogen, metals, e. coil, enterococci. Treated wastewater. Wastewater is treated by pumping raw wastewater through a treatment process consisting of headworks, an aeration basin flow splitter, aeration basins with a circuit of clarifier flow splitters and sludge pumps, followed by chlorination basins and process water pumps .

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

AGUAS RESIDUALES DOMESTICAS' **/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.

Hidalgo County Municipal Utility District No.1 (CN:600623581) opera HIDALGO COUNTY MUD 1 WWTP (RN:105767032), una Planta de tratamiento de aguas residuales . La instalación está ubicada en 1.7 millas al noreste de la intersección de la Carretera Farm-to-Market 1427 y la Carretera Interstate 2 y aproximadamente a 1.9 millas al noroeste de la intersección de la Carretera Farm-to-Market 492 y la Carretera Interstate 2, en Mission, Condado de Hidalgo, Texas 78572. Renovación para descargar un volumen de flujo diario promedio no superior a 950,000 galones por día de agua doméstica tratada.

Se espera que las descargas de la instalación contengan HEM, fósforo, cloruro, nitrato-nitrógeno, sulfato, nitrógeno amoniacal, metales, E. coli, enterococos. Aguas residuales procesadas. están tratado por bombeo de aguas residuales crudas a través de un proceso de tratamiento que consiste en obras de cabecera, un divisor de flujo de la balsa de aireación, balsas de aireación con un circuito de divisores de flujo de clarificador y bombas de lodos, seguido de balsas de cloración y bombas de agua de proceso..

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0014950001

APPLICATION. Hidalgo County Municipal Utility District No. 1, 7400 West Interstate Highway 2, Mission, Texas 78572, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014950001 (EPA I.D. No. TX0132101) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 950,000 gallons per day. The domestic wastewater treatment facility is located approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and Interstate Highway 2 and approximately 1.9 miles northwest of the intersection of Farm-to-Market Road 492 and Interstate Highway 2, near the city of Palmview, in Hidalgo County, Texas 78572. The discharge route is from the plant site via pipeline to Goodwin Drain, thence to Mission Lateral, thence to Mission McAllen Lateral, thence to West Main I, thence to North Main Drain III, thence to North Main Drain II, thence to North Main Drain I, thence to Main Floodway Channel, thence to Laguna Madre. TCEQ received this application on April 29, 2025. The permit application will be available for viewing and copying at Hidalgo County Municipal Utility District No. 1, Administrative Office, 7400 West Interstate Highway 2, Mission, in Hidalgo 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=-98.415833,26.253611&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 county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

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

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

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

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

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

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

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

If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

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

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

Further information may also be obtained from Hidalgo County Municipal Utility District No. 1 at the address stated above or by calling Mr. Craig Gonzalez, P.E., Urban Infrastructure Group, Inc., at 956-405-3337.

Issuance Date: May 22, 2025

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ0014950001

SOLICITUD. Hidalgo County Municipal Utility District No. 1, 7400 West Interstate Highway 2, Mission, Texas 78572, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0014950001 (EPA I.D. No. TX0132101) 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 950,000 galones por día. La planta está ubicada aproximadamente a 1.7 millas al noreste de la intersección de la carretera Farm-to-Market Road 1427 y la carretera Interstate 2 y aproximadamente 1.9 millas al noroeste de la intersección de la carretera Farm-to-Market Road 492 y la carretera Interstate 2, cerca de la ciudad de Palmview, en el Condado de Hidalgo, Texas 78572. La ruta de descarga es del sitio de la planta a través de tuberia hacia el desagüe Goodwin, de allí hacia el desagüe Goodwin Mission Lateral, de allí hacia el desagüe Mission McAllen Lateral, de allí hacia el desagüe West Main I, de allí hacia el desagüe North Main Drain III, de allí hacia el desagüe North Main Drain II, de allí hacia el desagüe North Main Drain I, de allí hacia Main Floodway Channel, de allí hacia la Laguna Madre. La TCEQ recibió esta solicitud el 29 de abril. La solicitud para el permiso estará disponible para leerla y copiarla en el Distrito de Servicios Públicos Municipales No. 1 del Condado de Hidalgo, Oficina de Administración, 7400 West Interstate 2, Mission, en el condado de Hidalgo, 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=-98.415833,26.253611&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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en 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 del Distrito de Servicios Públicos Municipales No. 1 del Condado de Hidalgo a la dirección indicada arriba o llamando a Sr. Craig Gonzalez, P.E., Urban Infrastructure Group, Inc., al 956-405-3337.

Fecha de emisión: el 22 de mayo de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Hidalgo County MUD No. 1

PERMIT NUMBER (If new, leave blank): WQ00 14950001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed Check/Money Order Number: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: 763184 & 763185

Copy of Payment Voucher enclosed? Yes ☒ SEE ATTACHMENT NO. 8

Section 2. Type of Application (Instructions Page 26)

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

☒ Publicly-Owned Domestic Wastewater

☐ Privately-Owned Domestic Wastewater

☐ Conventional Wastewater Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: NA

f. **For existing permits**:

Permit Number: WQ00 14950001

EPA I.D. (TPDES only): TX 0132101

Expiration Date: 11/20/2025

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

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

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

Hidalgo County Municipal Utility District No. 1

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

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

CN: 600623581

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: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

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?

Martin Valley Ranches, Inc

(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: 602969172

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: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

Provide a brief description of the need for a co-permittee: NA

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. See Attachment Core Data Form

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: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Exp 83 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: Mr. Last Name, First Name: Gonzalez, Craig

Title: Principal Credential: P.E.

Organization Name: Urban Infrastructure Group, INC.

Mailing Address:P.O. BOX 729 City, State, Zip Code: Donna, TX, 78537

Phone No.: (956)405-3337 E-mail Address: cgonzalez@uigtexas.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Exp 83 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

B. Prefix: Mr. Last Name, First Name: Gonzalez, Craig

Title: Principal Credential: P.E.

Organization Name: Urban Infrastructure Group, INC.

Mailing Address: P.O. BOX 729 City, State, Zip Code: Donna, TX, 78537

Phone No.: (956)405-3337 E-mail Address: cgonzalez@uigtexas.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Exp 83 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

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

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

Prefix: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Exp 83 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Gonzalez, Craig

Title: Principal Credential: P.E.

Organization Name: Urban Infrastructure Group, INC.

Mailing Address: 260 S. Texas Blvd. City, State, Zip Code: Weslaco, TX, 78596

Phone No.: (956)405-3337 E-mail Address: cgonzalez@uigtexas.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Gonzalez, Craig

Title: Principal Credential: P.E.

Organization Name: Urban Infrastructure Group, INC.

Mailing Address: P.O. BOX 729 City, State, Zip Code: Donna, TX, 78537

Phone No.: (956)405-3337 E-mail Address: cgonzalez@uigtexas.com

D. Public Viewing Information

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

Public building name: Office of Hidalgo M.U.D. No.1

Location within the building: Administrative Office

Physical Address of Building: 7400 W. Exp 83

City: Mission County: Hidalgo

Contact (Last Name, First Name): Martin, Jeremiah

Phone No.: (956)585-5821 Ext.: NA

E. Bilingual Notice Requirements

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

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

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

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

   ☒ Yes ☐ No

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

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

   ☒ Yes ☐ No

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: See Attachment No. 8

G. Public Involvement Plan Form

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

Attachment: NA

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 105767032

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

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

Hidalgo County M.U.D. No.1 Sewer Plant

C. Owner of treatment facility: Hidalgo M.U.D. No.1

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

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

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Exp 83 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: NA

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

Attachment: NA

E. Owner of effluent disposal site:

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: NA

Mailing Address: NA City, State, Zip Code: NA

Phone No.: NA E-mail Address: NA

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

Attachment: NA

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

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: NA

Mailing Address: NA City, State, Zip Code: NA

Phone No.: NA E-mail Address: NA

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

Attachment: NA

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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

☒ Yes ☐ No

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

NA

City nearest the outfall(s): Palmview, Texas

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

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

☒ Yes ☐ No

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

☒ Authorization granted ☐ Authorization pending

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

Attachment: NA

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: NA

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☒ Yes ☐ No

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

NA

B. City nearest the disposal site: NA

C. County in which the disposal site is located: NA

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

NA

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

NA

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: NA

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: NA

Amount past due: NA

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: NA

Amount past due: NA

Section 13. Attachments (Instructions Page 33)

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

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

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

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

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: Click to enter text.

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0014950001

Applicant: Hidalgo County Municipal Utility District No.1

Certification:

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

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

Signatory name (typed or printed): Jeremiah Martin

Signatory title: District Manager

Signature: _____ Date: April 17, 2025

(Use blue ink)

Subscribed and Sworn to before me by the said _____

on this 17 day of April, 20 25.

My commission expires on the 26 day of February, 20 26.

Yolanda Garcia

Notary Public

Hidalgo

County, Texas

YOLANDA GARCIA NOTARY PUBLIC STATE OF TEXAS ID 11078102 EXP. 02-26-2026

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☐ The applicant's property boundaries
- ☐ 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
- ☐ 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

B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses:

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☐ 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
- ☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☐ 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: See Attachment SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** Click to enter text.

1. Check or Money Order Number: Click to enter text.
2. Check or Money Order Amount: Click to enter text.
3. Date of Check or Money Order: Click to enter text.
4. Name on Check or Money Order: Click to enter text.
5. APPLICATION INFORMATION

   Name of Project or Site: Hidalgo County M.U.D. No.1 Sewer Plant

   Physical Address of Project or Site: N/A

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

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

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

Plain Language Summary ☒ Yes

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.95

2-Hr Peak Flow (MGD): 2.85

Estimated construction start date: July 13, 2011

Estimated waste disposal start date: August 2013

B. Interim II Phase

Design Flow (MGD): N/A

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

Estimated construction start date: N/A

Estimated waste disposal start date: N/A

C. Final Phase

Design Flow (MGD): 0.95

2-Hr Peak Flow (MGD): 2.85

Estimated construction start date:

Estimated waste disposal start date:

D. Current Operating Phase

Provide the startup date of the facility: June 2013

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

See Attachment No. 3

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment No. 4		

C. Process Flow Diagram

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

Attachment: See Attachment No. 5

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

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

- Latitude: 26-15'-1.81"
- Longitude: 98-23'-44.73"

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

- Latitude: N/A
- Longitude: 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: See Attachment No. 6

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

The existing wastewater treatment plant serves Hidalgo County Municipal Utility District No.1

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

Collection System Information

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

Section 4. Unbuilt Phases (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☒ Yes ☐ No

If yes, provide the date(s) of approval for each phase: July 2011

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

N/A

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

N/A

C. Other actions required by the current permit

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

☒ Yes ☐ No

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

1) Notification of Completion: Provided by letter dated June 2013
2) Prior to Construction submitted letter in accordance to 217.6(c): Provided by letter dated July 13, 2011
3) Notification of plant startup: Provided by letter dated June 2013

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

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.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 _ or TXRNE

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☐ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD_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.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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

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

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

☐ Yes ☒ No

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

N/A

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). **W*ater 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 **SEE ATTACHMENT 7**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities **SEE ATTACHMENT 7**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Jeremiah Martin

Facility Operator's License Classification and Level: Class C Operator

Facility Operator's License Number: WW0026247

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

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

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☐ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process:

C. Sewage Sludge or Biosolids Management

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

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Not Applicable		N/A: Disposal in Landfill	N/A: Disposal in Landfill
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: Denali Water Solutions – Garza Trust Farm

TCEQ permit or registration number: Permit #0005286000

County where disposal site is located: Hidalgo County

E. Transportation method

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

Name of the hauler: Denali Water Solutions

Hauler registration number: 24979

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

B. Sludge processing authorization

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

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

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

☐ Yes ☒ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment:
- USDA Natural Resources Conservation Service Soil Map:

  Attachment:
- Federal Emergency Management Map:

  Attachment:
- Site map:

  Attachment:

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment:

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:

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:

Total Kjeldahl Nitrogen, mg/kg:

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

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

Volume and frequency of sludge to the lagoon(s):

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

D. Site development plan

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

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment:
- Copy of the closure plan

  Attachment:
- Copy of deed recordation for the site

  Attachment:
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment:
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment:
- Procedures to prevent the occurrence of nuisance conditions

  Attachment:

E. Groundwater monitoring

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

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment:

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

A. Additional authorizations

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

☐ Yes ☒ No

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

N/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:

N/A

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

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

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

CERTIFICATION:

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

Printed Name: Click to enter text. Bill Peery

Title: Click to enter text. Technical Director

Signature: Bill Peery

Date: 4/29/2025

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 63)

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

☐ Yes ☒ No

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

Owner of the drinking water supply: 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:

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

C. Sea grasses

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

☐ Yes ☐ No

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

Section 3. Classified Segments (Instructions Page 63)

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

☐ Yes ☒ No

If yes, this Worksheet is complete.

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

Section 4. Description of Immediate Receiving Waters (Instructions Page 63)

Name of the immediate receiving waters: Goodwin Ditch (Hidalgo County Drainage District No.1

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

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

☒ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify:

B. Flow characteristics

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

☒ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

There are no perennial streams that join the Goodwin Ditch within three miles downstream of the existing discharge point.

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

N/A

E. Normal dry weather characteristics

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

The Goodwin Ditch does not contain any water during normal dry weather conditions.

Date and time of observation: January 7, 2023

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities
☐ Urban runoff
☐ Upstream discharges
☐ Agricultural runoff
☐ Septic tanks
☒ Other(s), specify: There are no receiving waters upstream of the discharge point. The discharge point is located at the most upstream point of the Goodwin Ditch.

B. Waterbody uses

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

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☒ Other(s), specify: The Goodwin Ditch is used only for drainage purposes.

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

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

Section 1. All POTWs (Instructions Page 87)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs – non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

If yes, complete Section 2 only of this Worksheet.

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

Section 2. POTWs with Approved Programs or Those Required to Develop a Program (Instructions Page 87)

A. Substantial modifications

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

☐ Yes ☒ No

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

B. Non-substantial modifications

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

☐ Yes ☒ No

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

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☒ No

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

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

A. General information

Company Name: N/A

SIC Code: N/A

Contact name: N/A

Address: N/A

City, State, and Zip Code: N/A

Telephone number: N/A

Email address: N/A

B. Process information

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

N/A

C. Product and service information

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

N/A

D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: N/A

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Category: Subcategories:

Click or tap here to enter text.

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

Category:

Subcategories:

F. Industrial user interruptions

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

☐ Yes ☒ No

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

N/A

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal *(Core Data Form should be submitted with the renewal form)*

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600623581		**RN 105767032**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* | *If new Customer, enter previous Customer below:*

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees

☐ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☐ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☐ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:							
	City		**State**		**ZIP**	**ZIP + 4**	

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
( ) -		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

23. Street Address of the Regulated Entity: *(No PO Boxes)*								
	City		**State**		**ZIP**		**ZIP + 4**	
24. County								

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

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

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)

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

34. Mailing Address:								
	City		**State**		**ZIP**		**ZIP + 4**	
35. E-Mail Address:								

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

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

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

SECTION IV: Preparer Information

40. Name:	Craig Gonzalez	**41. Title:**	P.E.

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(956 **)** 405-3337		**( )** -	cgonzalez@uigtexas.com

SECTION V: Authorized Signature

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

Company:	Hidalgo County M.U.D. No.1	**Job Title:**	District Manager
Name *(In Print):*	Jeremiah Martin	**Phone:**	**(** 956 **)** 585- **5821**
Signature:		**Date:**	

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.

Hidalgo County Municipal Utility District No.1 (CN:600623581) operates HIDALGO COUNTY MUD 1 WWTP (RN105767032), a wastewater treatment facility. The facility is located at approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and U.S. Highway 83 and approximately 1.9 miles northwest of the intersection of Farm-to-Market Road 492 and U.S. Highway 83, in Mission, Hidalgo County, Texas 78572. Renewal to discharge an average daily flow volume no more than 950,000 gallons per day of treated domestic water.

Discharges from the facility are expected to contain HEM, phosphorus, chloride, nitrate-nitrogen, sulfate, ammonia nitrogen, metals, e. coil, enterococci. Treated wastewater. Wastewater is treated by pumping raw wastewater through a treatment process consisting of headworks, an aeration basin flow splitter, aeration basins with a circuit of clarifier flow splitters and sludge pumps, followed by chlorination basins and process water pumps .

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

AGUAS RESIDUALES DOMESTICAS' **/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.

Hidalgo County Municipal Utility District No.1 (CN:600623581) opera HIDALGO COUNTY MUD 1 WWTP (RN:105767032), una Planta de tratamiento de aguas residuales . La instalación está ubicada en 1.7 millas al noreste de la intersección de la Carretera Farm-to-Market 1427 y la Carretera U.S. 83 y aproximadamente a 1.9 millas al noroeste de la intersección de la Carretera Farm-to-Market 492 y la Carretera U.S. 83, en Mission, Condado de Hidalgo, Texas 78572. Renovación para descargar un volumen de flujo diario promedio no superior a 950,000 galones por día de agua doméstica tratada.

Se espera que las descargas de la instalación contengan HEM, fósforo, cloruro, nitrato-nitrógeno, sulfato, nitrógeno amoniacal, metales, E. coli, enterococos. Aguas residuales procesadas. están tratado por bombeo de aguas residuales crudas a través de un proceso de tratamiento que consiste en obras de cabecera, un divisor de flujo de la balsa de aireación, balsas de aireación con un circuito de divisores de flujo de clarificador y bombas de lodos, seguido de balsas de cloración y bombas de agua de proceso..

INSTRUCTIONS

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

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

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

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

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

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

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

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

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

Example 2: Domestic Wastewater TPDES Renewal application

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

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

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

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

Example 3: Domestic Wastewater TPDES New Application

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

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

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

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

Example 4: Domestic Wastewater TLAP Renewal application

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

of the permit application.

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

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

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Hidalgo County Municipal Utility District No.1

   Permit No. WQ00 14950001 EPA ID No. TX 0132101

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

   The wastewater treatment plant is located approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and U.S. Highway 83 and approximately 1.9 miles northwest of the intersection of Farm-to-Market 492 and U.S. Highway 83 in Hidalgo County, Texas.

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: Jeremiah Martin

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

Title: District Manager

Mailing Address: 7400 W Exp 83

City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 Ext.: _ Fax No.:

E-mail Address: hidalgomud@aol.com

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

Martin Valley Ranches, Inc.

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.

The effluent discharge route is via pipeline to the Goodwin drain, thence to the Mission Lateral, thence to the West Main 1, thence to the North Main Drain III, thence to North Main Drain II, thence to North Main Drain I, thence to the Main Floodway Channel, thence to the Lower Laguna Madre in Segment No. 2491 of the Bays and Estuaries, and ultimately to the Gulf of America.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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

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

N/A SEE LAST PERMIT APPLICATION

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

N/A SEE LAST PERMIT APPLICATION

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

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Project
1137546

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Printed 03/13/2025
11:15

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1137546

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Sample	Sample ID	Taken	Time	Received
2384599	*Effluent WWTP*	02/24/2025	13:00:00	02/26/2025

Bottle 01 Polyethylene 1/2 gal (White)
Bottle 02 Plastic 1 liter unpreserved
Bottle 03 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 04 H2SO4 to pH <2 Glass Qt w/Teflon lined lid
Bottle 05 8 oz Plastic H2SO4 pH < 2
Bottle 06 HNO3 to pH <2 Polyethylene 250 mL for Metals
Bottle 07 BOD Titration Beaker A (Batch 1162447) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 08 BOD Analytical Beaker B (Batch 1162447) Volume: 100.00000 mL <== Derived from 01 (100 ml)
Bottle 09 Prepared Bottle: NH3N TRAACS Autosampler Vial (Batch 1162651) Volume: 6.00000 mL <== Derived from 05 (6 ml)
Bottle 10 Prepared Bottle: TKN TRAACS Autosampler Vial (Batch 1162713) Volume: 20.00000 mL <== Derived from 05 (20 ml)
Bottle 11 Prepared Bottle: ICP Preparation for Metals (Batch 1162732) Volume: 50.00000 mL <== Derived from 06 (50 ml)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
EPA 300.0 2.1	01	1162760	02/26/2025	1162760	02/26/2025
EPA 200.7 4.4	11	1162732	02/27/2025	1162761	02/27/2025
SM 2320 B-2011	01	1163988	03/06/2025	1163988	03/06/2025
SM 5210 B-2016 (TCMP Inhibitor)	01	1162447	03/03/2025	1162447	03/03/2025
SM 2510 B-2011	01	1162818	02/27/2025	1162818	02/27/2025
EPA 1664B (HEM)	03	1164123	03/06/2025	1164123	03/06/2025
EPA 350.1 2	09	1162651	02/26/2025	1163438	03/04/2025
SM 2540 C-2015	01	1163145	02/27/2025	1163145	02/27/2025
EPA 351.2 2	10	1162713	02/27/2025	1163011	02/28/2025
SM 2540 D-2015	01	1162737	02/26/2025	1162737	02/26/2025

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Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

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Printed: 03/13/2025

RESULTS

Sample Results

2384599 **Effluent WWTP** Permit Received: 02/26/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO:
Taken: 02/24/2025 13:00:00

Prepared: 02/26/2025 11:01:04 Calculated 02/26/2025 11:01:04 CAL

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	**Pickup/Sampling/Transport**	**Verified**					

EPA 1664B (HEM) Prepared: 1164123 03/06/2025 07:34:00 Analyzed 1164123 03/06/2025 07:34:00 MAX

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Oil and Grease (HEM)**	**<4.55**	**mg/L**	4.55			03

EPA 200.7 4.4 Prepared: 1162732 02/27/2025 07:00:00 Analyzed 1162761 02/27/2025 11:25:00 CAS

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Phosphorus**	**5.64**	**mg/L**	0.040		**7723-14-0**	11

EPA 300.0 2.1 Prepared: 1162760 02/26/2025 11:36:00 Analyzed 1162760 02/26/2025 11:36:00 KRA

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Chloride**	**258**	**mg/L**	3.00			01
NELAC	**Nitrate-Nitrogen Total**	**<0.226**	**mg/L**	0.226		**14797-55-8**	01
NELAC	**Sulfate**	**239**	**mg/L**	3.00			01

EPA 350.1 2 Prepared: 1162651 02/26/2025 17:34:53 Analyzed 1163438 03/04/2025 06:44:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Ammonia Nitrogen**	**32.7**	**mg/L**	0.400			09

EPA 351.2 2 Prepared: 1162713 02/27/2025 10:09:14 Analyzed 1163011 02/28/2025 09:25:00 AMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Kjeldahl Nitrogen**	**44.8**	**mg/L**	0.500		**7727-37-9**	10

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2384599 **Effluent WWTP** Permit Received: 02/26/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO:
Taken: 02/24/2025 13:00:00

SM 2320 B-2011 Prepared: 1163988 03/06/2025 08:50:00 Analyzed 1163988 03/06/2025 08:50:00 TRC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Alkalinity (as CaCO3)**	**265**	**mg/L**	1.00			01

SM 2510 B-2011 Prepared: 1162818 02/27/2025 08:41:00 Analyzed 1162818 02/27/2025 08:41:00 ANC

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Lab Spec. Conductance at 25 C**	**1830**	**umhos/cm**				01

SM 2540 C-2015 Prepared: 1163145 02/27/2025 09:00:00 Analyzed 1163145 02/27/2025 09:00:00 JMB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Dissolved Solids**	**790**	**mg/L**	50.0			01

SM 2540 D-2015 Prepared: 1162737 02/26/2025 13:40:00 Analyzed 1162737 02/26/2025 13:40:00 ADR

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**Total Suspended Solids**	**30.0**	**mg/L**	13.3			01

SM 5210 B-2016 (TCMP Inhibitor) Prepared: 1162447 02/26/2025 Analyzed 1162447 03/03/2025 13:38:32 JW1

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	**BOD Carbonaceous**	**9.16**	**mg/L**	3.00	B		01

Sample Preparation

2384599 **Effluent WWTP** Permit Received: 02/26/2025

02/24/2025

Prepared: 02/26/2025 11:01:04 Calculated 02/26/2025 11:01:04 CAL

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2384599 **Effluent WWTP** Permit Received: 02/26/2025

02/24/2025

		Prepared:		*02/26/2025*	*11:01:04*	*Calculated*	*02/26/2025*	*11:01:04*	*CAL*
z	**Enviro Fee (per Sampling Group)**	**Verified**							
	EPA 1664B (HEM)	*Prepared:*	*1163882*	*03/06/2025*	*07:34:00*	*Analyzed*	*1163882*	*03/06/2025*	*07:34:00* *MAX*
NELAC	**O&G HEM Started**	**Started**							
	EPA 200.2 2.8	*Prepared:*	*1162732*	*02/27/2025*	*07:00:00*	*Analyzed*	*1162732*	*02/27/2025*	*07:00:00* *HLT*
z	**Liquid Metals Digestion**	**50/50**	**ml**						06
	EPA 350.1, Rev. 2.0	*Prepared:*	*1162651*	*02/26/2025*	*17:34:53*	*Analyzed*	*1162651*	*02/26/2025*	*17:34:53* *JR1*
NELAC	**Ammonia Distillation**	**6/6**	**ml**						05
	EPA 351.2, Rev 2.0	*Prepared:*	*1162713*	*02/27/2025*	*10:09:14*	*Analyzed*	*1162713*	*02/27/2025*	*10:09:14* *AMB*
NELAC	**TKN Block Digestion**	**20/20**	**ml**						05
	SM 2540 C-2015	*Prepared:*	*1162615*	*02/27/2025*	*09:00:00*	*Analyzed*	*1162615*	*02/27/2025*	*09:00:00* *JMB*
NELAC	**Total Dissolved Solids Started**	**Started**							
	SM 2540 D-2011	*Prepared:*	*1162155*	*02/26/2025*	*13:40:00*	*Analyzed*	*1162155*	*02/26/2025*	*13:40:00* *ADR*
NELAC	**TSS Set Started**	**Started**							

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*Office: 903-984-0551 * Fax: 903-984-5914*

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1
2

HMUD-R

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Project
1137546

Printed: 03/13/2025

2384599 **Effluent WWTP** Permit *Received:* 02/26/2025

02/24/2025

SM 5210 B-2016 (TCMP Inhibitor) *Prepared:* *1162447* *02/26/2025* *Analyzed* *1162447* *02/26/2025* *12:50:27* *JW1*

NELAC **BODc Set Started** **STARTED**

Qualifiers:

B - Analyte detected in the associated method blank

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

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

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Project
1137546

Printed 03/13/2025

Analytical Set 1162447 — SM 5210 B-2016 (TCMP Inhibitor)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units		File
BOD Carbonaceous	1162447	0.3	0.200	0.500	mg/L	*	127342225
BOD Carbonaceous	1162447	0.3	0.200	0.500	mg/L	*	127344622

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
BOD Carbonaceous	2384145	5.96	7.80	mg/L	26.7	30.0
BOD Carbonaceous	2384493	6.20	6.92	mg/L	11.0	30.0
BOD Carbonaceous	2384739	5.87	5.55	mg/L	5.60	30.0

Seed Drop

Parameter	PrepSet	Reading	MDL	MQL	Units	File
BOD Carbonaceous	1162447	0.530	0.200	0.500	mg/L	127342227
BOD Carbonaceous	1162447	0.673	0.200	0.500	mg/L	127344624

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%		File
BOD Carbonaceous		234	198	mg/L	118	83.7 - 116	*	127342228
BOD Carbonaceous		226	198	mg/L	114	83.7 - 116		127344625

Analytical Set 1163011 — EPA 351.2 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Kjeldahl Nitrogen	1162713	ND	0.00712	0.050	mg/L	127354140

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.25	5.00	mg/L	105	90.0 - 110	127354115
Total Kjeldahl Nitrogen	5.28	5.00	mg/L	106	90.0 - 110	127354123
Total Kjeldahl Nitrogen	5.33	5.00	mg/L	107	90.0 - 110	127354134
Total Kjeldahl Nitrogen	5.28	5.00	mg/L	106	90.0 - 110	127354144
Total Kjeldahl Nitrogen	5.29	5.00	mg/L	106	90.0 - 110	127354154
Total Kjeldahl Nitrogen	5.29	5.00	mg/L	106	90.0 - 110	127354162
Total Kjeldahl Nitrogen	5.30	5.00	mg/L	106	90.0 - 110	127354165
Total Kjeldahl Nitrogen	5.35	5.00	mg/L	107	90.0 - 110	127354166
Total Kjeldahl Nitrogen	5.34	5.00	mg/L	107	90.0 - 110	127354172

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD		Limit%
Total Kjeldahl Nitrogen	2384642	0.313	0.087	mg/L	113	*	20.0
Total Kjeldahl Nitrogen	2384935	0.876	0.722	mg/L	19.3		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Total Kjeldahl Nitrogen	5.45	5.00	mg/L	109	90.0 - 110	127354114

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QUALITY CONTROL

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

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1137546

Printed 03/13/2025

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Total Kjeldahl Nitrogen	1162713	5.41	5.39	5.00	90.0 - 110	108	108	mg/L	0.370	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Total Kjeldahl Nitrogen	2384642	5.07	0.087	5.00	mg/L	99.7	80.0 - 120	127354146
Total Kjeldahl Nitrogen	2384935	5.93	0.722	5.00	mg/L	104	80.0 - 120	127354149

Analytical Set 1163438 EPA 350.1 2

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Ammonia Nitrogen	1162651	ND	0.00336	0.020	mg/L	127362661

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.06	2.00	mg/L	103	90.0 - 110	127362641
Ammonia Nitrogen	2.19	2.00	mg/L	110	90.0 - 110	127362642
Ammonia Nitrogen	2.16	2.00	mg/L	108	90.0 - 110	127362646
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127362656
Ammonia Nitrogen	1.86	2.00	mg/L	93.0	90.0 - 110	127362665
Ammonia Nitrogen	1.98	2.00	mg/L	99.0	90.0 - 110	127362676
Ammonia Nitrogen	2.20	2.00	mg/L	110	90.0 - 110	127362686
Ammonia Nitrogen	2.11	2.00	mg/L	106	90.0 - 110	127362697
Ammonia Nitrogen	2.14	2.00	mg/L	107	90.0 - 110	127362704
Ammonia Nitrogen	2.06	2.00	mg/L	103	90.0 - 110	127362713
Ammonia Nitrogen	2.04	2.00	mg/L	102	90.0 - 110	127362723
Ammonia Nitrogen	2.12	2.00	mg/L	106	90.0 - 110	127362732
Ammonia Nitrogen	2.03	2.00	mg/L	102	90.0 - 110	127362742
Ammonia Nitrogen	1.99	2.00	mg/L	99.5	90.0 - 110	127362751
Ammonia Nitrogen	2.18	2.00	mg/L	109	90.0 - 110	127362760
Ammonia Nitrogen	1.83	2.00	mg/L	91.5	90.0 - 110	127362765

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Ammonia Nitrogen	2384516	ND	ND	mg/L		20.0

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Ammonia Nitrogen	2.09	2.00	mg/L	104	90.0 - 110	127362640

LCS Dup

Parameter	PrepSet	LCS	LCSD	Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Ammonia Nitrogen	1162651	2.00	2.03	2.00	90.0 - 110	100	102	mg/L	1.49	20.0

Mat. Spike

Parameter	Sample	Spike	Unknown	Known	Units	Recovery %	Limits %	File
Ammonia Nitrogen	2384516	1.85	ND	2.00	mg/L	92.5	80.0 - 120	127362667

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Printed 03/13/2025

Analytical Set 1162737 — SM 2540 D-2015

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1162737	ND	2	2	mg/L	127347952

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Suspended Solids	1162737	0			grams	127347951

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Suspended Solids	2384238	62.5	67.5	mg/L	7.69	20.0
Total Suspended Solids	2384475	30.7	25.3	mg/L	19.3	20.0
Total Suspended Solids	2384519	26.5	28.5	mg/L	7.27	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Suspended Solids	1162737	48.0	50.0	mg/L	96.0	90.0 - 110	127347985

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Suspended Solids		96.0	100	mg/L	96.0	90.0 - 110	127347984

Analytical Set 1163145 — SM 2540 C-2015

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1163145	ND	5.00	5.00	mg/L	127356649

ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Total Dissolved Solids	1163145	0.0002			grams	127356636

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Total Dissolved Solids	2383605	252	280	mg/L	10.5	20.0

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Total Dissolved Solids	1163145	198	200	mg/L	99.0	85.0 - 115	127356650

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Total Dissolved Solids		92.0	100	mg/L	92.0	90.0 - 110	127356637

Analytical Set 1164123 — EPA 1664B (HEM)

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1164123	1.40	0.804	4.00	mg/L	127376664

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ControlBlk

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Oil and Grease (HEM)	1164123	0.0004			grams	127376663
Oil and Grease (HEM)	1164123	0.0003			grams	127376688

LCS

Parameter	PrepSet	Reading	Known	Units	Recover%	Limits	File
Oil and Grease (HEM)	1164123	36.5	40.0	mg/L	91.2	78.0 - 114	127376665

MS

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Oil and Grease (HEM)	2384599	38.4	0	3.41	40.0	78.0 - 114	96.0		mg/L		20.0

Analytical Set 1162760 — EPA 300.0 2.1

AWRL/LOQ C

Parameter	Reading	Known	Units	Recover%	Limits%	File
Nitrate-Nitrogen Total	0.0185	0.0226	mg/L	81.9	70.0 - 130	127348374

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1162760	ND	0.0593	0.300	mg/L	127348375
Nitrate-Nitrogen Total	1162760	ND	0.00331	0.0226	mg/L	127348375
Sulfate	1162760	ND	0.0605	0.300	mg/L	127348375

CCB

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Chloride	1162760	0.141	0.0593	0.300	mg/L	127348370
Chloride	1162760	0.010	0.0593	0.300	mg/L	127348389
Chloride	1162760	0.011	0.0593	0.300	mg/L	127348401
Nitrate-Nitrogen Total	1162760	0	0.00331	0.0226	mg/L	127348370
Nitrate-Nitrogen Total	1162760	0	0.00331	0.0226	mg/L	127348389
Nitrate-Nitrogen Total	1162760	0	0.00331	0.0226	mg/L	127348401
Sulfate	1162760	-0.025	0.0605	0.300	mg/L	127348370
Sulfate	1162760	-0.033	0.0605	0.300	mg/L	127348389
Sulfate	1162760	-0.032	0.0605	0.300	mg/L	127348401

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Chloride	10.6	10.0	mg/L	106	90.0 - 110	127348368
Chloride	10.3	10.0	mg/L	103	90.0 - 110	127348388
Chloride	10.3	10.0	mg/L	103	90.0 - 110	127348400
Nitrate-Nitrogen Total	2.42	2.26	mg/L	107	90.0 - 110	127348368
Nitrate-Nitrogen Total	2.32	2.26	mg/L	103	90.0 - 110	127348388
Nitrate-Nitrogen Total	2.34	2.26	mg/L	104	90.0 - 110	127348400
Sulfate	10.2	10.0	mg/L	102	90.0 - 110	127348368
Sulfate	9.87	10.0	mg/L	98.7	90.0 - 110	127348388
Sulfate	9.97	10.0	mg/L	99.7	90.0 - 110	127348400

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Printed 03/13/2025

LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Chloride	1162760	5.11	5.11		5.00	85.0 - 115	102	102	mg/L	0	20.0
Nitrate-Nitrogen Total	1162760	1.21	1.21		1.13	86.3 - 117	107	107	mg/L	0	20.0
Sulfate	1162760	5.40	5.42		5.00	85.4 - 124	108	108	mg/L	0.370	20.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Chloride	2383750	710	710	614	100	80.0 - 120	96.0	96.0	mg/L	0	20.0
Nitrate-Nitrogen Total	2383750	22.6	22.6	ND	22.6	80.0 - 120	100	100	mg/L	0	20.0
Sulfate	2383750	1170	1160	1070	100	80.0 - 120	100	90.0	mg/L	10.5	20.0
Chloride	2384271	270	271	172	100	80.0 - 120	98.0	99.0	mg/L	1.02	20.0
Nitrate-Nitrogen Total	2384271	23.5	23.5	0.497	22.6	80.0 - 120	102	102	mg/L	0	20.0
Sulfate	2384271	420	420	323	100	80.0 - 120	97.0	97.0	mg/L	0	20.0

Analytical Set 1162761 — EPA 200.7 4.4

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Phosphorus	1162732	ND	0.0353	0.040	mg/L	127348440

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	1.05	1.00	mg/L	105	90.0 - 110	127348439
Phosphorus	1.08	1.00	mg/L	108	90.0 - 110	127348449
Phosphorus	1.06	1.00	mg/L	106	90.0 - 110	127348451

ICL

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	25.2	25.0	mg/L	101	95.0 - 105	127348437

ICV

Parameter	Reading	Known	Units	Recover%	Limits%	File
Phosphorus	1.05	1.00	mg/L	105	90.0 - 110	127348438

LCS Dup

Parameter	PrepSet	LCS	LCSD		Known	Limits%	LCS%	LCSD%	Units	RPD	Limit%
Phosphorus	1162732	4.15	4.11		4.00	85.0 - 115	104	103	mg/L	0.969	25.0

MSD

Parameter	Sample	MS	MSD	UNK	Known	Limits	MS%	MSD%	Units	RPD	Limit%
Phosphorus	2384928	4.15	4.09	ND	4.00	75.0 - 125	104	102	mg/L	1.46	25.0

Analytical Set 1162818 — SM 2510 B-2011

Blank

Parameter	PrepSet	Reading	MDL	MQL	Units	File
Lab Spec. Conductance at 25 C	1162818	0.416			umhos/cm	127349550

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%

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QUALITY CONTROL

HMUD-R

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Project
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Printed 03/13/2025

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Lab Spec. Conductance at 25 C	2384216	137000	137000	umhos/cm	0	20.0
Lab Spec. Conductance at 25 C	2384664	1000	1010	umhos/cm	0.995	20.0

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Lab Spec. Conductance at 25 C	13000	12900	umhos/cm	101	90.0 - 110	127349553

Standard

Parameter	*Sample*	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Lab Spec. Conductance at 25 C	1162818	1390	1410	umhos/cm	98.6	90.0 - 110	127349551
Lab Spec. Conductance at 25 C	1162818	101	100	umhos/cm	101	90.0 - 110	127349552
Lab Spec. Conductance at 25 C	1162818	1390	1410	umhos/cm	98.6	90.0 - 110	127349565
Lab Spec. Conductance at 25 C	1162818	1390	1410	umhos/cm	98.6	90.0 - 110	127349570

Analytical Set 1163988 — SM 2320 B-2011

Blank

Parameter	*PrepSet*	*Reading*	*MDL*	*MQL*	*Units*	*File*
Total Alkalinity (as CaCO3)	1163988	ND	1.00	1.00	mg/L	127373977

CCV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127373976
Total Alkalinity (as CaCO3)	25.6	25.0	mg/L	102	90.0 - 110	127373990
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127374003

Duplicate

Parameter	*Sample*	*Result*	*Unknown*	*Unit*	*RPD*	*Limit%*
Total Alkalinity (as CaCO3)	2384225	273	279	mg/L	2.17	20.0
Total Alkalinity (as CaCO3)	2384930	45.3	44.8	mg/L	1.11	20.0

ICV

Parameter	*Reading*	*Known*	*Units*	*Recover%*	*Limits%*	*File*
Total Alkalinity (as CaCO3)	27.1	25.0	mg/L	108	90.0 - 110	127373975

Mat. Spike

Parameter	*Sample*	*Spike*	*Unknown*	*Known*	*Units*	*Recovery %*	*Limits %*	*File*	
Total Alkalinity (as CaCO3)	2384225	296	279	25.0	mg/L	68.0	70.0 - 130	127373980	*
Total Alkalinity (as CaCO3)	2384930	64.5	44.8	25.0	mg/L	78.8	70.0 - 130	127373993	

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

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

QUALITY CONTROL

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Project
1137546

Printed 03/13/2025

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

1137546 CoC Print Group 001 of 001

2600 Dudley Rd. Kilgore, Texas 75662
Office: 903-984-0551 * Fax: 903-984-5914

P-UP FEE $ In Routine TT
SUB:
ALL CLIENT COCs ON SINGLE PROJECT? YES NO

SPL
The Science of Sure

CHAIN OF CUSTODY

Printed 2/18/2025 Page 1 of 2

Lab Number 764099

HMUD -R
104

PO Number
Phone 956/585-2131

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Effluent WWTP

Hand Delivered by Client to Region or LA

Permit

Matrix: Non-Potable Water

Sample Collection Start
Date: 2-24-25 Time: 13:00

Sampler Printed Name: Frank Gamez III - SPL, Inc.

Sampler Affiliation:

Sampler Signature:

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

	2	**H2SO4 to pH <2 GlQt w/Tef-lined lid**		
NELAC		**HEM**	Oil and Grease (HEM)	EPA 1664B (HEM) (28.0 days)
	1	**Polyethylene 1/2 gal (White)**		
NELAC	**Short Hold**	**BODc**	BOD Carbonaceous	SM 5210 B-2016 (TCMP Inhibitor) (2.04 days)
NELAC		**TSS**	Total Suspended Solids	SM 2540 D-2015 (7.00 days)
	0	**Z -- No bottle required**		
		P150	Pickup/Sampling/Transport	
	1	**HNO3 to pH <2 Polyethylene 500 mL for Metals**		
NELAC		***PI**	Phosphorus	EPA 200.7 4.4 CAS:7723-14-0 (180 days)
		301L	Liquid Metals Digestion	EPA 200.2 2.8 (180 days)
	1	**H2SO4 to pH <2 250 ml Polyethylene**		
NELAC		**NHaN**	Ammonia Nitrogen	EPA 350.1 2 (28.0 days)
NELAC		**TKN**	Total Kjeldahl Nitrogen	EPA 351.2 2 CAS:7727-37-9 (28.0 days)
	1	**Polyethylene Quart**		

1137546 CoC Print Group 001 of 001

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CHAIN OF CUSTODY

Printed 02/18/2025 Page 2 of 2

Hidalgo MUD #1
Jeremiah Martin
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Mission, TX 78572-

HMUD -R
104

Phone 956/585-2131

NELAC		!ClL	Chloride	EPA 300.0 2.1 (28.0 days)
NELAC	**Short Hold**	!N3L	Nitrate-Nitrogen Total	EPA 300.0 2.1 CAS:14797-55-8 (2.00 days)
NELAC		!S4L	Sulfate	EPA 300.0 2.1 (28.0 days)
NELAC		AlkT	Total Alkalinity (as CaCO3)	SM 2320 B-2011 (14.0 days)
NELAC		CONL	Lab Spec. Conductance at 25 C	SM 2510 B-2011 (28.0 days)
NELAC		TDS	Total Dissolved Solids	SM 2540 C-2015 (7.00 days)

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
2 24 25 1730	Printed Name: Frank Gamez III - SPL, Inc. Affiliation: Signature:	2 24 25 1730	Printed Name: FedEx Affiliation: Signature:
2/26/25 1130	Printed Name: Affiliation: FedEx Signature:	2/26/25 1030	Printed Name: Kierlsten Rossum - SPL, Inc. Affiliation: Signature:
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature:
	Printed Name: Affiliation: Signature:		Printed Name: Affiliation: Signature:

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

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments


ORIGIN ID:HRLA (555) 555-5555
ANA LAB / RGV
2401 VILLAGE DR STE C
BROWNSVILLE, TX 78521
UNITED STATES US
SHIP DATE: 24FEB25
ACTWGT: 63.10 LB
CAD: 6594256/SSFE2600
DIMS: 24x14x13 IN
BILL THIRD PARTY
TO SPL
LOGIN
2600 DUDLEY RD
KILGORE TX 75662
(555) 555-5555
INV:
PO:
REF:
DEPT:
FedEx
Express
4 of 4
MPS# 0681 2857 7330 6576
Mstr# 8086 3187 4469
XS GGGA
0200
TUE - 25 FEB 10:30A
PRIORITY OVERNIGHT
AHS
75662
TX-US SHV
2/24 1030 KR
Date Time Tech
Temp: 0.7 0.4 C
Therm#: 6443 Corr Fact: -0.3 C

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

SPL
The Science of Sure

Project
1137611

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Printed 03/13/2025
11:15

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1137611

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Sample	Sample ID	Taken	Time	Received
2384733	*Effluent WWTP*	02/25/2025	09:20:00	02/26/2025

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 4500-Cl G-2011		1162529	02/25/2025	1162529	02/25/2025
SM 4500-O G-2016		1162530	02/25/2025	1162530	02/25/2025
Subcontract			02/25/2025		02/25/2025
SM 4500-H+ B-2011		1162577	02/25/2025	1162577	02/25/2025

Email: Kilgore.ProjectManagement@spllabs.com

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HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Project
1137611

Printed: 03/13/2025

RESULTS

Sample Results

2384733 **Effluent WWTP** Permit Received: 02/26/2025

Non-Potable Water Collected by: FG3 SPL Kilgore PO:
Taken: 02/25/2025 09:20:00

SM 4500-Cl G-2011 Prepared: 1162529 02/25/2025 09:25:00 Analyzed 1162529 02/25/2025 09:25:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	2.3	mg/L	0.05			

SM 4500-H+ B-2011 Prepared: 1162577 02/25/2025 09:23:00 Analyzed 1162577 02/25/2025 09:23:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	pH (Onsite)	7.28	SU				

SM 4500-O G-2016 Prepared: 1162530 02/25/2025 09:23:00 Analyzed 1162530 02/25/2025 09:23:00 FG3

	Parameter	Results	Units	RL	Flags	CAS	Bottle
NELAC	Dissolved Oxygen Onsite	6.6	mg/L	1.0			

Subcontract Prepared: 02/25/2025 14:30:00 Analyzed 02/25/2025 14:30:00 SUB

	Parameter	Results	Units	RL	Flags	CAS	Bottle
z	Enterococci Subcontract	See Attached				ABL2	

Subcontract Prepared: 02/25/2025 15:05:00 Analyzed 02/25/2025 15:05:00 SUB

Parameter	Results	Units	RL	Flags	CAS	Bottle
MPN, E.coli, Coli-18 - WW sub	See Attached				CCWU	

Sample Preparation

2600 Dudley Rd. Kilgore, Texas 75662
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SPL The Science of Sure

1
2

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Project
1137611

Printed: 03/13/2025

2384733	**Effluent WWTP**	Permit	*Received:*	02/26/2025
		02/25/2025		

Prepared:	*02/26/2025*	*14:01:17*	*Calculated*	*02/26/2025*	*14:01:17*	*CAL*

z **SUB Shipped** **Verified**

Qualifiers:

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

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

(N)ELAC - Covered in our NELAC scope of accreditation
z -- Not covered by our NELAC scope of accreditation

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

Bill Peery

Bill Peery, MS, VP Technical Services

QUALITY CONTROL

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Project
1137611

Printed 03/13/2025

Analytical Set 1162529 — SM 4500-Cl G-2011

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	2384733	2.30	2.30	mg/L		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1162529	0.150	0.220	mg/L	68.2	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1162529	0.840	0.900	mg/L	93.3	90 - 110	
Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	1162529	1.50	1.59	mg/L	94.3	90 - 110	

Analytical Set 1162530 — SM 4500-O G-2016

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
Dissolved Oxygen Onsite	2384733	6.5	6.6	mg/L	1.5	20

Analytical Set 1162577 — SM 4500-H+ B-2011

CCV

Parameter	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	6.0	6.0	SU	100	90 - 110	
pH (Onsite)	6.0	6.0	SU	100	90 - 110	

Duplicate

Parameter	Sample	Result	Unknown	Unit	RPD	Limit%
pH (Onsite)	2384733	7.3	7.3	SU		20

Standard

Parameter	Sample	Reading	Known	Units	Recover%	Limits%	File
pH (Onsite)	1162577	8.0	8.0	SU	100	90 - 110	
pH (Onsite)	1162577	8.0	8.0	SU	100	90 - 110	

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

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

CCV - Continuing Calibration Verification (same standard used to prepare the curve; typically a mid-range concentration; verifies the continued validity of the calibration curve)

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CHAIN OF CUSTODY

Printed 02/18/2025 Page 1 of 3

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

HMUD -R
105

Lab Number 2384733

PO Number

Phone 956/585-2131

Effluent WWTP

Hand Delivered by Client to Region or LAB

Permit

Matrix: Non-Potable Water

Sample Collection Start
Date: 2.25.25 Time: 9:20 AM

Sampler Printed Name: Frank Gamez III - SPL, Inc.

Sampler Affiliation:

Sampler Signature:

* ENTC & ERGV sent to Sub Lab JMZ

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

0 **On Site Testing**

NELAC				
	Cl2O	Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]	SM 4500-Cl G-2011	

Cl2 Res.,Total(Onsite)Spec Mid [RL 0.05 mg/L]

Collected By FG3 Date 2.25.25 Time 920 Analyzed By FG3 Date 2.25.25 Time 925

Results 2.3 Units mg/L Temp. 19.5 C Duplicate 2.3 Units mg/L Temp. 20.4 C

R1 2.4 R2 0.1 QC R1 2.4 QC R2 0.1

NELAC				
	Short Hold	DO	Dissolved Oxygen Onsite	SM 4500-O G-2016 (0.0104 days)

Dissolved Oxygen Onsite

Collected By FG3 Date 2.25.25 Time 9:20 Analyzed By FG3 Date 2.25.25 Time 9:23

Results 6.65 Units mg/L Temp. 19.5 C Duplicate 6.54 Units mg/L Temp. 20.4 C

NELAC				
	Short Hold	pH	pH (Onsite)	SM 4500-H+ B-2011 (0.0104 days)

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CHAIN OF CUSTODY

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Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

HMUD -R
105

Phone 956/585-2131

pH (Onsite)

Collected By FG3 Date 2.25.25 Time 9:20 Analyzed By FG3 Date 2.25.25 Time 9:23

Results 7.28 Units S.U. Temp. 19.5 C Duplicate 7.32 Units S.U. Temp. 20.4 C

---

2 **Na2S2O3 (0.008%) Polystyrene-100 mL Sterilized**

Short HoldSubc	ENTC	Enterococci Subcontract	Subcontract CAS:ABL2 (0.347 days)
Subcontract	ERGV	MPN, E.coli, Coli-18 - WW sub	Subcontract CAS:CCWU

0 **Z -- No bottle required**

Subcontract	100S	SUB Shipped
	SKL	Sub Hold: PM Attn

Ambient Conditions/Comments

Date Time	Relinquished	Date Time	Received
2 25 25 1730	Printed Name: Frank Gamez III - SPL, Inc. Affiliation Signature	2 25 25 1730	Printed Name: FedEx Affiliation Signature
4/26/25 1030	Printed Name Affiliation Signature		Printed Name: Doris Stoker - SPL, Inc. Affiliation Signature
	Printed Name Affiliation Signature		Printed Name Affiliation Signature
	Printed Name Affiliation Signature		Printed Name Affiliation Signature

2600 Dudley Rd. Kilgore, Texas 75662
Office: 903-984-0551 * Fax: 903-984-5914

SPL
The Science of Sure

CHAIN OF CUSTODY

Printed 02/18/2025 Page 3 of 3

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

HMUD -R
105

Phone 956/585-2131

Sample Received on Ice? Yes No
Cooler/Sample Secure? Yes No

If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http:// www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

Comments

1137611 CoC Print Group 001 of 001

CHAIN OF CUSTODY RECORD

Client Name: SPL LABS
Address: 2600 Dudley Rd.
City: Kilgore State: TX Zip: 75662
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914
Send Email report to: kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

City of Corpus Christi

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

HMUD
R-105

Sampler (PLEASE PRINT): Frank Gamez III - SPL, Inc.

Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other-Specify	Residual Chlorine: Total mg/L	Free mg/L	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other*
1 EFFLUENT WWTP		2.25.25	0920 AM	X					1		X				2.3																X		
2 EFFLUENT WWTP		2.25.25	0920 AM	X					1		X				2.3																	X	
3																																	
4																																	
5																																	
6																																	

Relinquished By:		Date: 2.25.25	Time: 11:00
Received By:	R.DE LEON	Date: 2.25.25	Time: 11:00
Relinquished By:	R.DE LEON	Date: 2-25-25	Time: 13:09
Received By:		Date: 2/25/25	Time: 1309
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

Special Instructions/Comments:
Other* -

***** For Laboratory Use Only *****

Sample(s) on ice: YES NO	pH Strip Lot/ ID:
Receiving Temp (°C): 4.8	pH < 2? YES NO Line(s) #:
Corrected Temp (°C): 4.8	Data Flag(s):
Temp. Device ID: B	

WHITE (ORIGINAL) – Lab Copy YELLOW – Submitter Copy Rev. October 20, 2017

Corpus Christi Water Department
City of Corpus Christi
Water Utilities Laboratory
13101 Leopard Street
361-826-1200 Fax: 361-242-9131

Analytical Report

Client Info SPL-INC
2600 Dudley Rd.
Kilgore, TX 75662

Phone: **EMAIL:** Kilgore.Projectmanagement@splla

Report# /Lab ID#: AC52462 **Report Date:** 2/26/25
Sample Name: EFFLUENT WWTP
Date Received: 02/25/2025 **Time:** 13:09
Date Sampled: 02/25/2025 **Time:** 09:20

Parameter	Result	Unit	Flag	RL [5]	Date/Time Analyzed	Method	Analyst	Analysis Comments
Enterococci	920.8	MPN		1.0	2/25/25 14:30	Enterolert	VM/FK	

Sample Comments:

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
5. Reporting Limit (RL), typically at or above the Limit of Quantitation (LOQ) of the analytical method.
6. Data Qualifiers:

N=Analysis not performed as per client request. **H**=Sample exceeded holding time. **P**=Analysis is from an unpreserved sample. **J**=Value reported is less than the RL but greater than the MDL.
X=MS/MSD recovery or duplicates analysis exceeded the acceptance limit or Standard failed. **LA**=Lab accident. **LE**=Lab error. **OA**=Outside the scope of the lab's NELAC accreditation.
U=Unsuitable; sample turned turbid after incubation. **T**=Sample below temp requirement; not on ice. **EQ**=Equipment failure. **I**=Information on sample bottle and COC does not match.
S=Slow to filter; sample contains floc and/or large amount of residue on filter. **O**=Analysis performed by an outside NELAC accredited lab; **O^**=Analysis flagged by outside laboratory.
Z=Too many colonies present to provide a result (TNTC). **A**=Value reported is the mean of two or more determinations. **R**=Reagent water contamination suspected. **B**=Sample broken in transit.
NI=Not analyzed due to interferences. **K**=BOD result estimated due to blank exceeding the allowable oxygen depletion. **D**=Sample dilution required for analysis/ quality control.
SC=BOD/CBOD calculated using a seed correction factor not within acceptable range. **QB**=No QC data assigned to sample; sample result not affected.
EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

CHAIN OF CUSTODY RECORD

Client Name: SPL LABS
Address: 2600 Dudley Rd.
City: Kilgore State: TX Zip: 75662
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914
Send Email report to kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

City of Corpus Christi

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

HMUD
R-105

Sampler (PLEASE PRINT) Frank Gamez III - SPL, Inc.

	Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other-Specify	Residual Chlorine: Total mg/L	Free mg/L	Analyze For: CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other*
1	EFFLUENT WWTP	AC52462	2-25-25	0930 AM	X					1		X				2.3																	X		
2	EFFLUENT WWTP	AC52463	2-25-25	0930 AM	X					1		X				2.3																		X	
3																																			
4																																			
5																																			
6																																			

Relinquished By:		Date: 2-25-25	Time: 11:00
Received By:	R. DE LEON	Date: 2-25-25	Time: 11:00
Relinquished By:	R. DE LEON	Date: 2-25-25	Time: 13:09
Received By:		Date: 2/25/25	Time: 1309
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

Special Instructions/Comments:
Other* -

***** For Laboratory Use Only *****

Sample(s) on ice: YES NO	pH Strip Lot/ ID:
Receiving Temp (°C): 4.8	pH < 2? YES NO Line(s) #:
Corrected Temp (°C): 4.8	Data Flag(s):

Corpus Christi Water Department
City of Corpus Christi
Water Utilities Laboratory
13101 Leopard Street
361-826-1200 Fax: 361-242-9131

Analytical Report

Client Info SPL-INC
2600 Dudley Rd.
Kilgore, TX 75662

Phone:

EMAIL: Kilgore.Projectmanagement@splla

Report# /Lab ID#: AC52463 **Report Date:** 2/26/25
Sample Name: EFFLUENT WWTP
Date Received: 02/25/2025 **Time:** 13:09
Date Sampled: 02/25/2025 **Time:** 09:20

Parameter	Result	Unit	Flag	RL [5]	Date/Time Analyzed	Method	Analyst	Analysis Comments
E. coli (MPN)	104.3	MPN		1.0	2/25/25 15:05	SM 9223 B - Coli	FK	

Sample Comments:

This analytical report is respectfully submitted by the Water Utilities Laboratory. The enclosed results reflect only the sample(s) identified above. The results have been carefully reviewed and, unless otherwise indicated, meet the NELAC requirements as described by the Water Utilities Lab's QA/QC program. No part of this report shall be reproduced or transmitted in any form or by any means without the written consent of the City of Corpus Christi-Water Utilities Lab.

Respectfully Submitted,

Technical Director (or designee)

1. Quality assurance data for the sample batch which included this sample.
2. Precision (PREC) is the absolute value of the relative percent difference between duplicate results .
3. Recovery (RECOV) is the percent of analyte recovered from a spiked sample.
4. Laboratory Control Sample (LCS) results are expressed as the percent recovery of analyte.
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U=Unsuitable; sample turned turbid after incubation. **T**=Sample below temp requirement; not on ice. **EQ**=Equipment failure. **I**=Information on sample bottle and COC does not match.
S=Slow to filter; sample contains floc and/or large amount of residue on filter. **O**=Analysis performed by an outside NELAC accredited lab; **O^**=Analysis flagged by outside laboratory.
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EL=Oxygen usage is less than 2mg/L for all dilutions analyzed. The reported value is an estimated less than value and is calculated for the dilution containing the greatest concentration of sample.
EG=Less than 1mg/L DO remained for all dilutions analyzed. The reported value is an estimated greater than value and is calculated for the dilution containing the least concentration of sample.
E= The data exceed the upper calibration limit; therefore the concentration is reported as an estimate.

CHAIN OF CUSTODY RECORD

Client Name: SPL LABS
Address: 2600 Dudley Rd.
City: Kilgore State: TX Zip: 75662
Phone: (903) 984 - 0551 Fax: (903) 984 - 5914
Send Email report to kilgore.projectmanagement.spllabs.com
cc: joel.manjarrez@spllabs.com

City of Corpus Christi

Water Utilities Laboratory
13101 Leopard St.
Corpus Christi, TX 78410
Ph: (361) 826-1200
Fax: (361) 242-9131

HMUD
R-105

Sampler (PLEASE PRINT) Frank Gamez III - SPL, Inc.

	Sample ID	Lab ID# (Lab Use Only)	Date Sampled	Time Sampled	Grab	Composite	Other	No. of Containers/ Preservative: H_2SO_4	HNO_3	Thio	None	Matrix: WW Influent	WW Effluent	Water	Other-Specify	Residual Chlorine: Total mg/L	Free mg/L	CBOD	BOD	TSS	TDS	Ammonia-N	TKN	Chloride	Sulfate	Phosphorus	Nitrate	Nitrite	Total Alkalinity	TOC	Fecal Coliform	Total Coliform	Enterococci	E. coli	Other*
1	EFFLUENT WWTP	ACS24162	2-25-25	0930 AM	X					1		X				2.3																	X		
2	EFFLUENT WWTP	ACS24163	2-25-25	0930 AM	X					1		X				2.3																		X	
3																																			
4																																			
5																																			
6																																			

Relinquished By:		Date: 2-25-25	Time: 11:00
Received By:	R. DE LEON	Date: 2-25-25	Time: 11:00
Relinquished By:	R. DE LEON	Date: 2-25-25	Time: 13:09
Received By:		Date: 2/25/25	Time: 1309
Relinquished By:		Date:	Time:
Received By:		Date:	Time:
Relinquished By:		Date:	Time:
Received By:		Date:	Time:

Special Instructions/Comments:
Other* -

***** For Laboratory Use Only *****

Sample(s) on ice: YES NO	pH Strip Lot/ ID:
Receiving Temp (°C): 4.8	pH < 2? YES NO Line(s) #:
Corrected Temp (°C): 4.8	Data Flag(s):

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

SPL
The Science of Sure

Project
1139697

HMUD-R

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Printed 03/13/2025
11:38

TABLE OF CONTENTS

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

Email: Kilgore.ProjectManagement@spllabs.com

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

SAMPLE CROSS REFERENCE

Project
1139697

Printed 3/13/2025 Page 1 of 1

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

Sample	Sample ID	Taken	Time	Received
2389589	*RAW*	03/12/2025	09:45:00	03/13/2025

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5310 C-2014					

Sample	Sample ID	Taken	Time	Received
2389590	*TREATED*	03/12/2025	10:45:00	03/13/2025

Bottle 01 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid(4)

Method	Bottle	PrepSet	Preparation	QcGroup	Analytical
SM 5310 C-2014					

Email: Kilgore.ProjectManagement@spllabs.com

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

SPL The Science of Sure

DRAFT FEES

Not an Invoice -- Please Do Not Pay This Draft

1139697

Printed: 03/13/2025 Page 1 of 1

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

2389589 **RAW** *Received:* 03/13/2025

	Analyzed:	*00:00:00*	*QCgroup*
Enviro Fee (per Sampling Group)			**20.00**
SM 5310 C-2014	*Analyzed:*	*00:00:00*	*QCgroup*
Total Organic Carbon			**40.00**

2389589 **Sample Fee** **60.00**

2389590 **TREATED** *Received:* 03/13/2025

Drinking Water *Collected by:* Client *Affiliation:* Hidalgo MUD #1 03/12/2025 10:45:00

SM 5310 C-2014	*Analyzed:*	*00:00:00*	*QCgroup*
Total Organic Carbon			**40.00**

2389590 **Sample Fee** **40.00**

Project Fee: **$100.00**

Email: Kilgore.ProjectManagement@spllabs.com

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

DRAFT PROJECT FEE SUMMARY

Printed 03/13/2025

This is Not an Invoice -- Please do not pay this Draft

1139697

RAW TREATED

Name		Count	Fee	Total
Administrative				
	Enviro Fee (per Sampling Group)	1	20.00	$20.00
Metals	**SM 5310 C-2014**			
	Total Organic Carbon	2	40.00	$80.00

$100.00

Email: Kilgore.ProjectManagement@spllabs.com

1139697 CoC Print Group 001 of 001

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

P-UP FEE $ IN ROUTINE
SUB: _____
ALL CLIENT COCs ON SINGLE PROJECT? YES NO

CHAIN OF CUSTODY

10/0[illegible]/2023 Page 1 of 2

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

HMUD -R
106

Phone 956/585-2131

PO Number _____

Water Plant #2

☐ *Hand Delivered by Client to Region or LAB*

Matrix: Drinking Water

Sampler Printed Name Gilbert Espinoza

Sampler Affiliation HMUD

Sampler Signature Gilbert Espinoza

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

Ana-Lab # (Lab Only)	Sample ID	Bottles	Date	Time	Notes
7769769	RAW	1	3-12-25	9:45 AM	
7769770	TREATED	1	3-12-25	10:45 AM	

1 H2SO4 to pH <2 Amber Glass 250 mL w/Teflon lined lid
NELAC TOCL Total Organic Carbon SM 5310 C-2014 (28.0 days)

0 Z – No bottle required
PuCh Sampling/Transport

1139697 CoC Print Group 001 of 001

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

CHAIN OF CUSTODY

10/09/2023 Page 2 of 2

Hidalgo MUD #1
Jeremiah Martin
7400 W Exp 83
Mission, TX 78572-

HMUD -R
106

Phone 956/585-2131

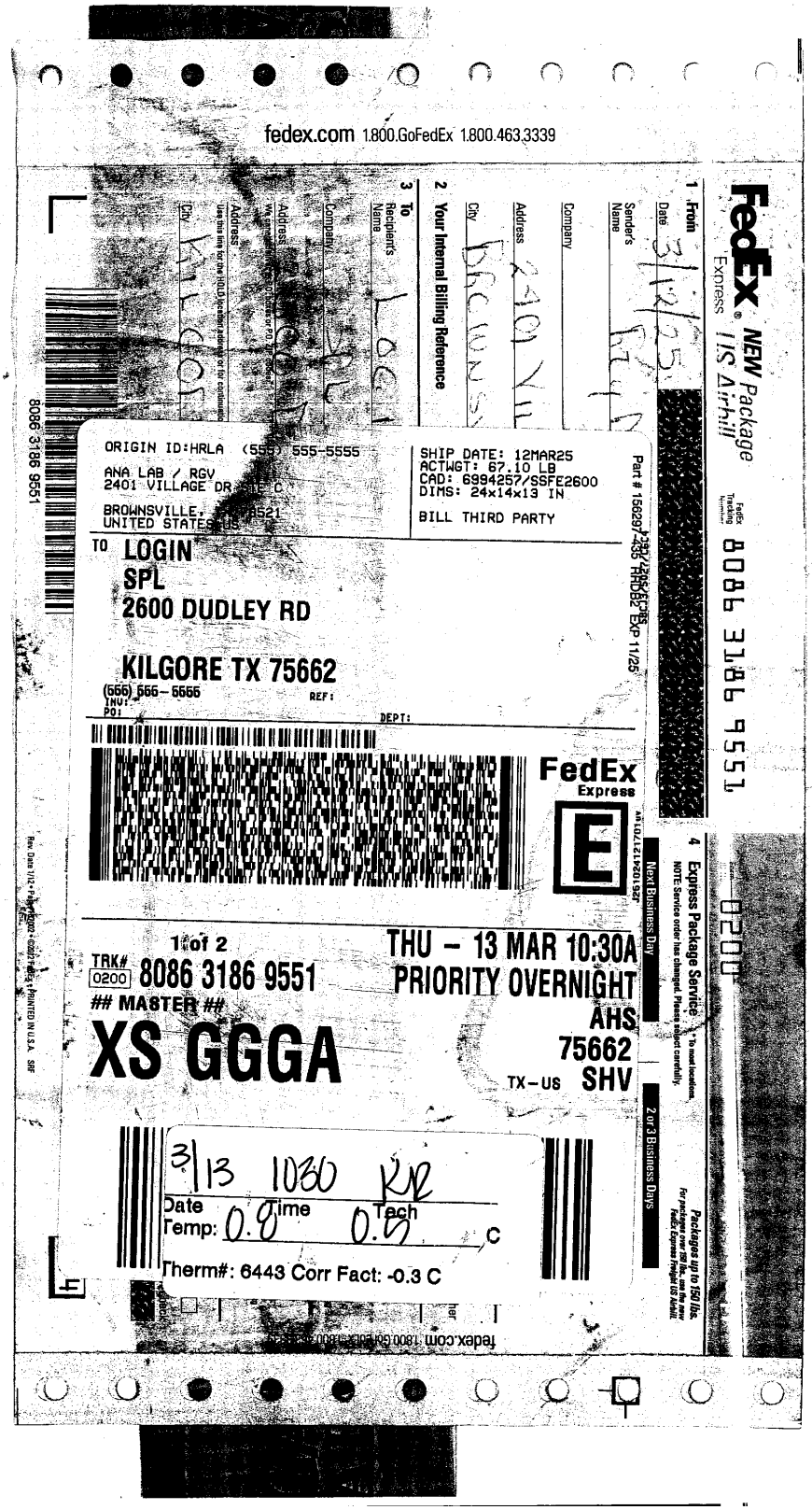
Water Plant #2

Date	Time	Relinquished	Received
3-12-25		Printed Name Gilbert Espinoza Affiliation HMUD	Printed Name R.DE LEON Affiliation SPL
	11:00	Signature Gilbert Espinoza	Signature
3/12/25		Printed Name R.DE LEON Affiliation SPL	Printed Name FedEx Affiliation
	17:30	Signature	Signature
3/13/25		Printed Name FedEx Affiliation	Printed Name Kiersten Rossum - SPL, Inc. Affiliation
	10:30	Signature	Signature
		Printed Name Affiliation	Printed Name Affiliation
		Signature	Signature

Sample Recieved on Ice? Yes No
Cooler/Sample Secure? Yes No If Shipped: Tracking Number & Temp - See Attached

The accredited column designates accreditation by A - A2LA, N - NELAC, or z - not listed under scope of accreditation. Unless otherwise specified, ANA-LAB shall provide these ordered services pursuant to our Standard Terms & Conditions Agreement (available for download from the welcome page at <http://www.ana-lab.com>). Ana-Lab personnel collect samples as specified by Ana-Lab SOP #000323.

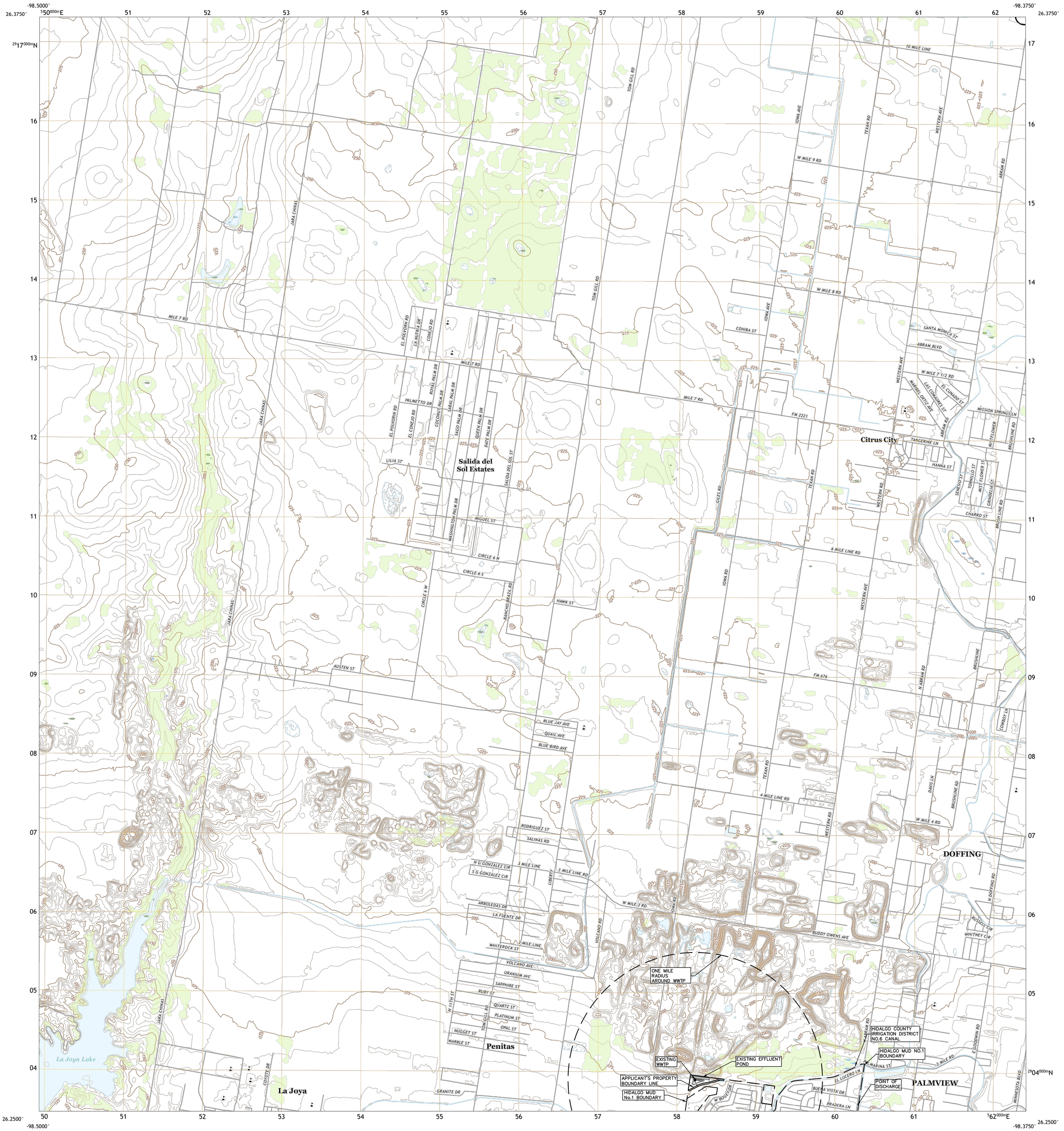
Comments


fedex.com 1.800.GoFedEx 1.800.463.3339
FedEx NEW Package Express US Airbill
8086 3186 9551
ORIGIN ID:HRLA (555) 555-5555
ANA LAB / RGV
2401 VILLAGE DR
BROWNSVILLE,
UNITED STATES US
SHIP DATE: 12MAR25
ACTWGT: 67.10 LB
CAD: 6994257/SSFE2600
DIMS: 24x14x13 IN
BILL THIRD PARTY
TO LOGIN
SPL
2600 DUDLEY RD
KILGORE TX 75662
(555) 555-5555
REF:
DEPT:
FedEx Express
1 of 2
TRK# 0200 8086 3186 9551
MASTER
XS GGGA
THU - 13 MAR 10:30A
PRIORITY OVERNIGHT
AHS
75662
TX-US SHV
3/13 1030 KR
Date Time Tech
Temp: 0.0 0.5 C
Therm#: 6443 Corr Fact: -0.3 C
Express Package Service
Next Business Day
2 or 3 Business Days
Packages up to 150 lbs.
0200

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

The National Map US Topo

CITRUS CITY QUADRANGLE
TEXAS - HIDALGO COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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

Imagery.....NAIP, July 2016 - December 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 2008 - 2021
Hydrography.....National Hydrography Dataset, 2000 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
4°5' 73 MILS
0°15' 4 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
NQ
Grid Zone Designation
14R

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

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES
1 Camp Garcia
2 McCook
3 Monte Christo
4 Sullivan City
5 Alton
6 Los Ebanos
7 La Joya
8 Mission

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

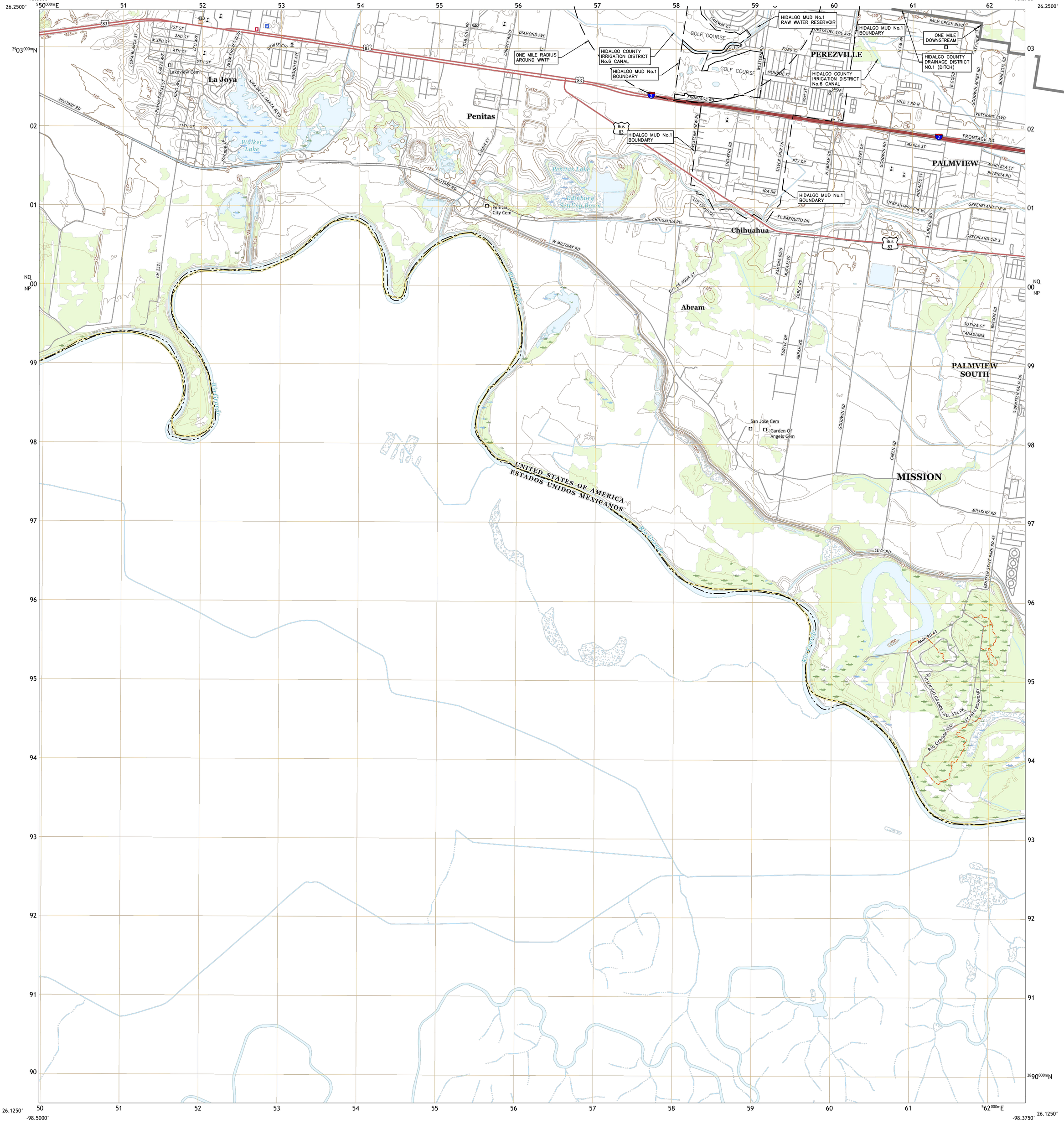
NSN. 7643016395547
NGA REF NO. USGSX24K8826

CITRUS CITY, TX
2022

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

The National Map US Topo

LA JOYA QUADRANGLE
TEXAS - HIDALGO COUNTY
7.5-MINUTE SERIES



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Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2000 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN
GN
4°5′ 73 MILS
0°15′ 4 MILS

U.S. National Grid
100,000 - m Square ID
NQ
NP
Grid Zone Designation 14R

SCALE 1:24 000

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

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
		6

ADJOINING QUADRANGLES
1 Sullivan City
2 Citrus City
3 Alton
4 Los Ebanos
5 Mission
6 Hidalgo

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

NSN. 7643016396855
NGA REF NO. USGSX24K24104

LA JOYA, TX, TAM
2022

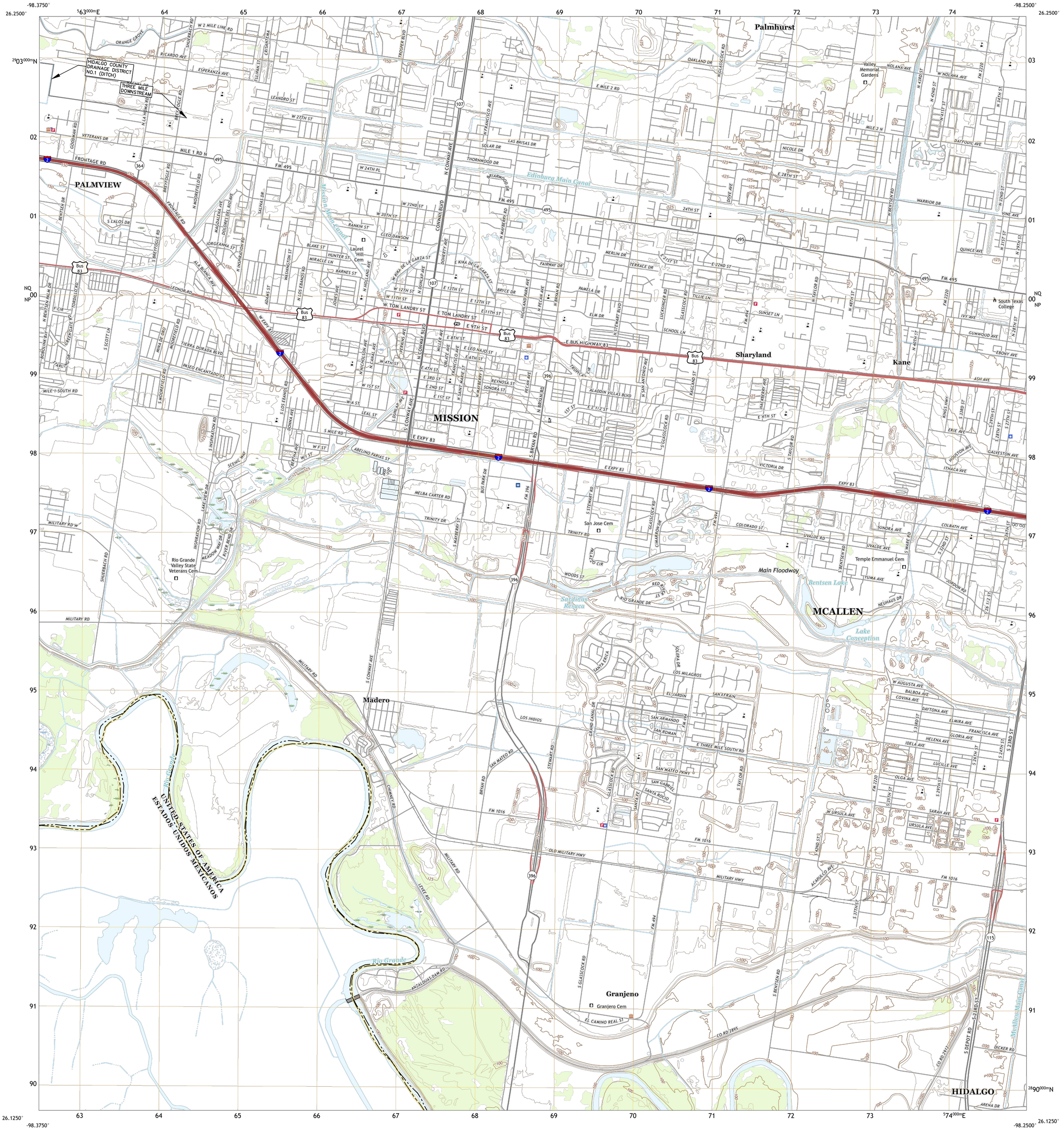
ckimball-3/13/2025-9:31am V:\144200_WWTP_MUD_1_Permit_Renewal\La_Joya_Mud.dwg

USGS science for a changing world

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

The National Map US Topo

MISSION QUADRANGLE
TEXAS - HIDALGO COUNTY
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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Imagery.....NAIP, July 2016 - December 2016
Roads..... U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2001 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
4°2′ 72 MILS
0°18′ 5 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
NQ
NP
Grid Zone Designation 14R

SCALE 1:24 000

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

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
	6	7

ADJOINING QUADRANGLES
1 Citrus City
2 Alton
3 Edinburg
4 La Joya
5 Pharr
6 Hidalgo
7 Las Milpas

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

NSN. 7643016391310
NGA REF NO. USGSX24K29623

MISSION, TX, TAM
2022

Detailed Description of Treatment Process

Phase:

The existing WWTP has a treatment capacity of 0.95 MGD.

Type of treatment system:

The existing WWTP uses an activated sludge treatment process.

Mode of operation:

The existing WWTP operates in an extended aeration mode.

Treatment process description:

The following table describes the flow of wastewater through the entire treatment process.

Process/Component Description	Component Size	30 TAC Chapter 217 – Design Criteria for Sewer Systems
Influent Pump Station Circular wetwell Triplex pumping system (Flygt) VFD Force main from existing site Influent flow mag. Meter	2.0 MGD Three gpm pumps for a total capacity of 3,000 gpm Three units to control flow 12" DR18 C900 PVC Rated up to 3 MGD	Lift station shall handle peak flow (217.61.c) Lift Station requires generator or quick connect mechanism and alarms (217.63.a-c)
New Headworks Mechanical bar screens Bypass channel with manual screens Splitter box	¼" screen size ½" screen size	Min. screen size=0.25" (217.121.f.2) Bypass channel required (217.121.b) Min. angle of bar rack=30° (217121.ff.2)
Aeration Basin Two raceway type basins Duplicate turbine mixers in each basin	0.475 MGD each 40 HP each	Max. organic loading rate=15 lb/day/1000cf (217.257.154 Table F.1) Min. air requirements by equation (217.155.a.3 Equation F.2)

Table continues on next page

Process/Component Description	Component Size	30 TAC Chapter 217 – Design Criteria for Sewer Systems
Final Clarifier Two clarifiers	48' diameter, 0.5 MGD capacity each	Redundant clarifier needed for flows >0.4 MGD (217.153.c.1) Min. side wall depth=10' (217.152.g.2.a) Max. overflow rate at peak flow=800 gdp/sf (217.154 Table F.2 for 10/15/3 EA) Min. detention time at peak flow=2.2 hr (217.154 Table F.2 for 15/15/3 EA) Max. weir loading at peak flow=20,000 gpd/lf (217.152.c.4) Max. vertical flow through inlet stilling well= 0.15 ft (217.152.a.4)
RAS/WAS Pump Station RAS pumping system) RAS recycle ratio 0 to 150%) WAS pumping system	Two RAS pumps Two WAS pumps to sludge box	RAS pumping capacity=200 to 400 gpd/sf (217.152.j.3) If Design flow.0.4 MGD, flow meter required for RAS/WAS (217.162) Redundancy required to operate with largest pump out of service (217.158.3)
Disinfection Chlorine contact basin Chlorine feed system Chlorine storage structure	Two 0.475 MGD chambers Pumping system One ton cylinder and two 150lb cylinders in a structure	Min. contact time at peak flow=20 min. (217.281.c.2) Min. design chlorine concentration needed for disinfection=8 mg/L (217.272.b Table K.1)
Sludge Disposal Two sludge boxes Area set aside for four sludge drying beds (Wedgewater media)	Sized for 30 cy/month Beds ~ 500 sf each	

Type Dimensions of Plant Processes

Dimensions of treatment processes:

The following tables list the dimensions of each treatment process.

Extended Aeration Basin

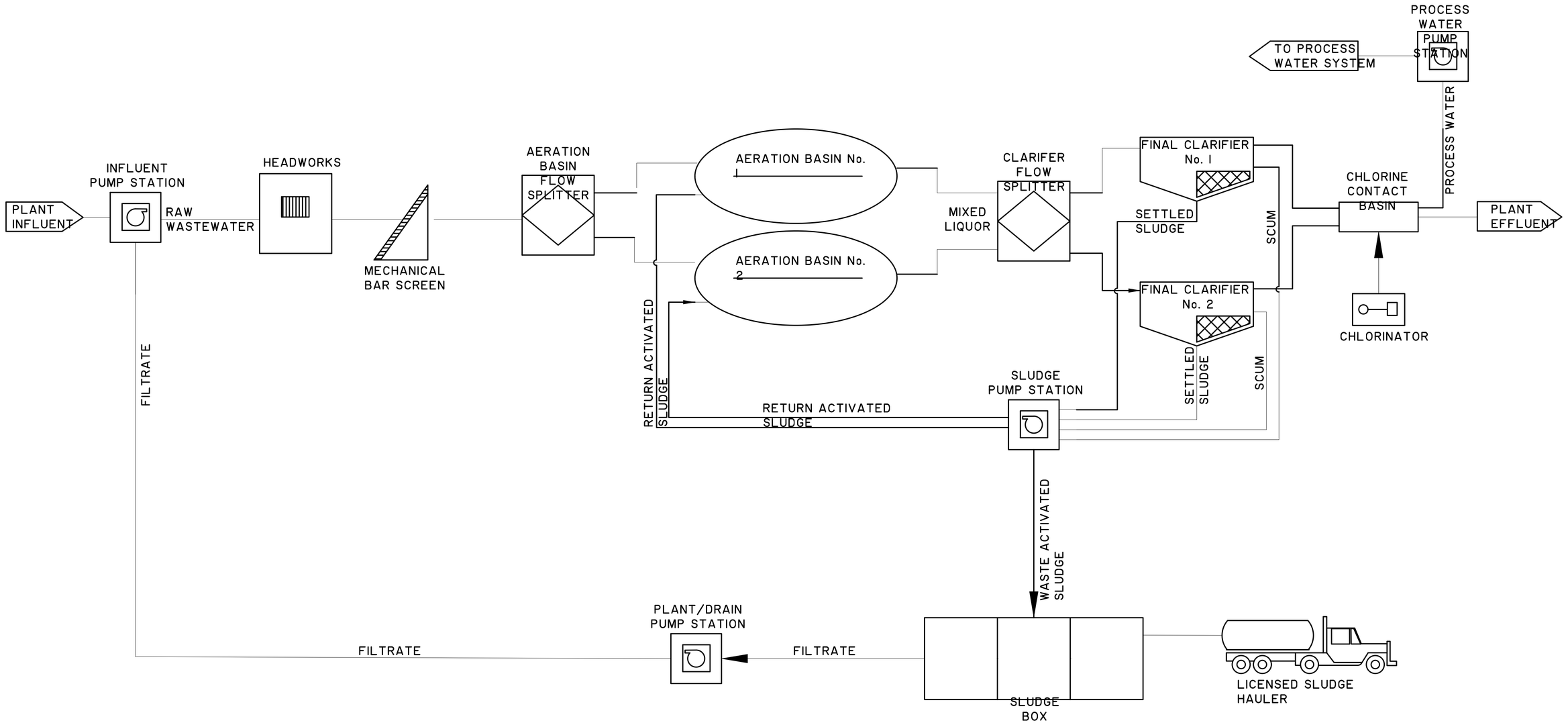
Number of aeration basins	2	
Length (each basin)	120	(ft)
Width (each basin)	60	(ft)
S.W.D. (each basin)	11	(ft)
Basin volume	79,200	(cu ft)
Total basin volume (2 basins)	158,400	(cu ft)
Detention time	30	hr

Final Clarifier

Number of clarifies	2	
Diameter	48	(ft)
Stilling well diameter	8	(ft)
S.W.D. (each clarifier)	12	(ft)
Surface area (each clarifier)	1,810	(sq ft)
Total surface area (2 clarifiers)	3,620	(sq ft)
Clarifier volume	21,720	(cu ft)
Total Clarifier volume (2 clarifier)	43,440	(cu ft)
Detention time at peak flow (2 clarifies)	2.74	(hr)

Chlorine Contact Basin

Number of chambers	2	
Chamber length	25	(ft)
Chamber width	10	(ft)
S.W.D.	12	(ft)
Chamber volume	3000	(cu ft)
Total chamber volume (2 chambers)	6000	(cu ft)
Contact time at peak flow	23	(min)

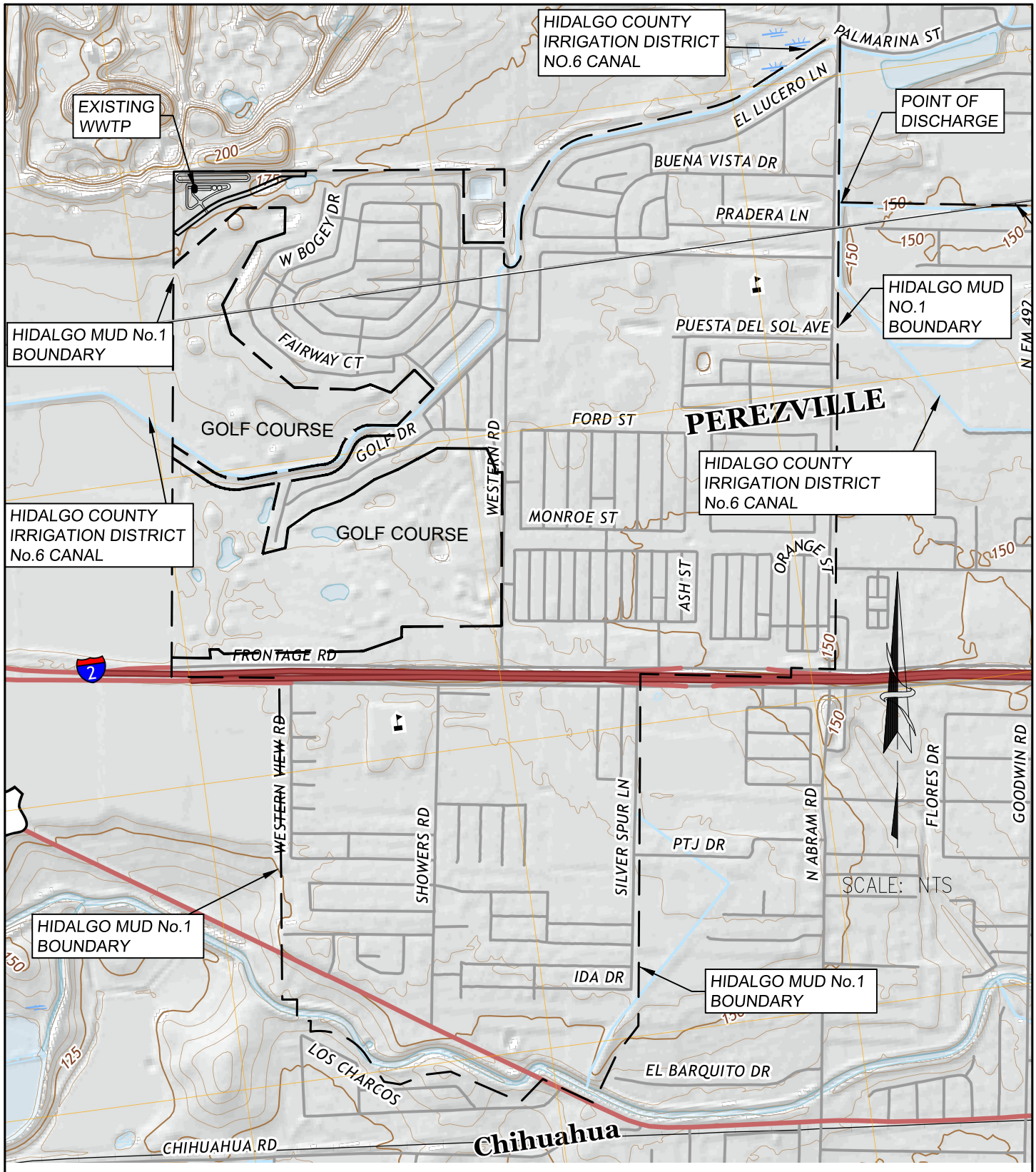


WTTP FLOW DIAGRAM

DATE PREPARED: 3/13/2025

PRINCIPAL CONTACTS		ADDRESS	PHONE
Hidalgo County MUD No.1 Craig Gonzalez	Jeremiah Martin Craig Gonzalez	7400 W Exp 83, Mission, TX 78572 260 S. Texas Blvd., Weslaco, TX 78596	(956)585-5821 (956)405-3337

URBAN INFRASTRUCTURE GROUP, INC.
260 S TEXAS BLVD, STE. 403
WESLACO, TEXAS 78596
(956) 405-3337
TBPE FIRM NO. F-13094
WWW.UIGTEXAS.COM



URBAN INFRASTRUCTURE GROUP, INC.
260 S. Texas Blvd.
Suite 403
Weslaco, Texas 78596
(956) 405-3337
TBPE FIRM NO. F-13094
WWW.UIGTEXAS.COM

HIDALGO MUD #1

PALVIEW, TEXAS

SITE DRAWING

ATTACHMENT

No.6

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	763184
Trace Number:	582EA000664626
Date:	04/21/2025 11:23 AM
Payment Method:	CC - Authorization 0000392485
Voucher Amount:	$1,600.00
Fee Type:	WW PERMIT - FACILITY WITH FLOW >= .50 & < 1.0 MGD - RENEWAL
ePay Actor:	JEREMIAH MARTIN

Payment Contact Information

Name:	JEREMIAH MARTIN
Company:	HIDALGO MUD 1
Address:	7400 W IH 2, MISSION, TX 78572 9527
Phone:	956-585-5821

Site Information

Site Name:	NEW SEWER PLANT
Site Address:	2509 FAIRWAY CT, MISSION, TX 78572
Site Location:	HEAD NW APPR 25 MILES FROM THE ENTRANCE AT 2509 FAIRWAYS CT ON THE PLANT DRIVE

Customer Information

Customer Name:	JEREMIAH MARTIN
Customer Address:	7400 W IH 2, MISSION, TX 78572 9527

Other Information

Program Area ID:	WQ0014950001

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	763185
Trace Number:	582EA000664626
Date:	04/21/2025 11:23 AM
Payment Method:	CC - Authorization 0000392485
Voucher Amount:	$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	JEREMIAH MARTIN

Payment Contact Information

Name:	JEREMIAH MARTIN
Company:	HIDALGO MUD 1
Address:	7400 W IH 2, MISSION, TX 78572 9527
Phone:	956-585-5821

Rainee Trevino

From: Cameron Kimball <ckimball@uigtexas.com>
Sent: Thursday, May 8, 2025 5:20 PM
To: Rainee Trevino
Cc: Jeremiah Martin; Craig Gonzalez
Subject: RE: Application to Renew Permit - Administratively Complete
Attachments: Attachment 1 & 2 - Mission USGS_revised.pdf; 2025-05-08 TCEQ Comment Response_revised.pdf

Categories: NOD Response Review

Ms. Trevino,

I do apologize for the late email, but please find attached revised editions of the comment response and USGS map. These are to replace their respective copies in the previous email.

Best Regards,
Cameron

Cameron Kimball | Engineer I | Urban Infrastructure Group | 956.405.3337

URBAN INFRASTR

260 S. Texas Blvd.
Suite 403
Weslaco, Texas 78596
Office: (956) 405-3337
Website: www.uigtexas.com

From: Cameron Kimball
Sent: Thursday, May 8, 2025 4:26 PM
To: Rainee Trevino <Rainee.Trevino@tceq.texas.gov>
Cc: Jeremiah Martin <hidalgomud@aol.com>; Craig Gonzalez <cgonzalez@uigtexas.com>
Subject: Application to Renew Permit - Administratively Complete

Good Afternoon Ms. Trevino,

I hope you are doing well. Please find the attached comment response and relative supporting files for TCEQ's comments on May 5th, 2025. Additionally, please let me know if you or your team have come across the physical original submittal. We were notified that the physical submission packet was delivered this week.

Thank you for your time and consideration, we look forward to hearing from you (adminstratively complete notification). Please let us know if you have any questions or if there is anything we can do to help.

Best Regards,
Cameron

_____
Cameron Kimball | Engineer I | Urban Infrastructure Group | 956.405.3337

URBAN
INFRASTR

260 S. Texas Blvd.
Suite 403
Weslaco, Texas 78596
Office: (956) 405-3337
Website: www.uigtexas.com

URBAN INFRASTRUCTURE GROUP, INC.

May 8th, 2025

Texas Commission of Environmental Quality
Water Quality Division
Applications Review and Processing Team (MC148)
Rainee Trevino
P.O. Box 13087
Austin, Texas 78711-3087

Re: Application to Renew Permit No.: WQ0014950001 (EPA I.D. No. TX0132101)
Applicant Name: Hidalgo County Municipal Utility District No. 1 (CN600623581)
Site Name: Hidalgo County Municipal Utility District No. 1 Wastewater Treatment Plant (RN105767032)
Project No. 144200

Ms. Trevino,

We have received your comments for the above referenced TPDES application renewal, dated **May 5th, 2025**. Upon review and revision, we would like to continue with the renewal process. Below are our responses to the subdivision's comments:

Texas Commission on Environmental Quality:

Comment 1: *Our records indicate an original paper copy of the application has not been received. The original paper copy and e-copy of the application are both required. Please submit the original paper copy of the application by:*

Response 1: An original paper copy of the application was shipped via UPS following the online submittal on the 29th of April, and was delivered on May 6, 2025.

Comment 2: *Administrative Report 1.0, Section 3, Item B: The application lists a co-applicant, Martin Valley Ranches, Inc. However, a transfer order completed-on May 12, 2014, approved the removal of Martin Valley Ranches, Inc. Please clarify if Martin Valley Ranches, Inc. needs to be added on the permit as a co-applicant. If so, a separate transfer application and fee will need to be completed and amiled in. The application cannot be declared administratively complete until the transfer is complete if it is necessary. Please refer to form TCEQ-20031 for the transfer application and instructions on our website.*

Response 2: Administrative Report 1.0, Section 3, Item B has been revised to remove Martin Valley Ranches, Inc. from the co-applicant page. The 2014 transfer order is correct.

Comment 3: *Core Data Form, Section V: Sections II and III are incomplete. Please submit an updated Core Data Form with sections II and III completed.*

Response 3: The Core Data Form has been revised to include sections II and III.

Comment 4: *Core Data Form, Section V: Please submit an updated core data form with an authorized signature.*

Response 4: Please find the attached Core Data Form with the authorized signature. The paper submittal contains the original signature.

Comment 5: *USGS Topographic Map: The USGS map submission does not include the highlighted discharge route for at least 3 miles or until it reaches a classified segment. Please submit an updated map to include the highlighted discharge route for at least 3 miles or until it reaches a classified segment.*

Response 5: "Attachment 1 & 2 - Mission" contains the end point at least 3 miles downstream. Please find an updated "Attachment 1 & 2 – Mission" with darker line work for clarity.

Comment 6: *Supplemental Permit Information Form (SPIF) and Administrative Report 1.0, Section 9, Item D: The Supplemental Permit Information Form states the property is publicly owned and the owner of the property where the wastewater treatment plant is located is owned by Martin Valley Ranches, Inc. However, section 9, Item D of the Administrative Report 1.0 states Hidalgo County Municipal Utility District No. 1 owns the land where the treatment facility is located. Please clarify who owns the land where the treatment facility is located. If another individual or entity owns the land, then a lease agreement or deed recorded easement is required. In addition, please update both sections accordingly and submit any updates.*

Response 6: Please see the attached SPIF pdf with the revised ownership information. Hidalgo County MUD is the owner, not Martin Valley Ranches, Inc. as shown in the following link, https://hidalgo.prodigycad.com/property-detail/794484.

Comment 7: *The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.*

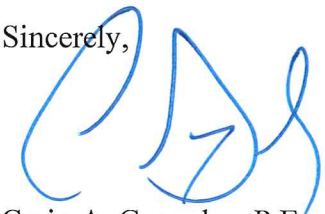
Response 7: The portion of the NORI presented needs to include Interstate 2 in the facility's addresses, "7400 West Expressway 83 – Interstate 2", and replace US Highway 83 in the approximate location description, as the expressway has changed its name.

Comment 8: *The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word Document.*

Response 8: Please find the attached "Municipal Discharge Renewal Spanish NORI".

This information is provided for your review such that the permit renewal application may be declared administratively complete. If you have any questions or concerns pertaining to our comment responses, please contact me at (956)-405-3337

Sincerely,



Craig A. Gonzalez, P.E.
Principal
Urban Infrastructure Group, Inc.

Cc : Jeremiah Martin, Hidalgo MUD No. 1, District Manager

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

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

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal *(Core Data Form should be submitted with the renewal form)*

☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 600623581		**RN 105767032**

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* — *If new Customer, enter previous Customer below:*

Hidalgo County MUD No. 1

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*

11. Type of Customer:

☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☒ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: Utility District

12. Number of Employees

☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?

☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:

Hidalgo County Municipal Utility District No. 1
7400 West Interstate 2

City	Mission	**State**	TX	**ZIP**	78572	**ZIP + 4**	9527

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	hidalgomud@aol.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(956) 585-5821		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Hidalgo County Municipal Utility District No. 1

23. Street Address of the Regulated Entity: ***(No PO Boxes)***							
	City		**State**		**ZIP**		**ZIP + 4**
24. County	Hidalgo						

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

25. Description to Physical Location:	Wastewater treatment plant is located approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and U.S. Interstate 2 and approximately 1.9 miles northwest of the intersection of Farm-to-Market Road 492 and U.S. Interstate 2.

26. Nearest City	State	Nearest ZIP Code
Palmview	TX	78572

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

27. Latitude (N) In Decimal:			28. Longitude (W) In Decimal:		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
26	15	1.81	98	23	44.73

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4952		22132	

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

Wastewater Treatment Plant

34. Mailing Address:	**Hidalgo County Municpial Utility District No. 1**							
	7400 West Interstate 2							
	City	**Mission**	**State**	**TX**	**ZIP**	**78572**	**ZIP + 4**	**9527**

35. E-Mail Address:	**hidalgomud@aol.com**

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(956) 585-5821		( ) -

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

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

SECTION IV: Preparer Information

40. Name:	Craig Gonzalez	**41. Title:**	P.E.

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(956) 405-3337		( ) -	cgonzalez@uigtexas.com

SECTION V: Authorized Signature

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

Company:	Hidalgo County M.U.D. No.1	**Job Title:**	District Manager
Name *(In Print):*	Jeremiah Martin	**Phone:**	(956) 585- **5821**
Signature:		**Date:**	04/29/2025

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

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

SECTION IV: Preparer Information

40. Name:	Craig Gonzalez	**41. Title:**	P.E.

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(956) 405-3337		( ) -	cgonzalez@uigtexas.com

SECTION V: Authorized Signature

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

Company:	Hidalgo County M.U.D. No.1	**Job Title:**	District Manager
Name *(In Print):*	Jeremiah Martin	**Phone:**	(956) 585- **5821**
Signature:		**Date:**	04/29/2025

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: NA

f. **For existing permits**:

Permit Number: WQ00 14950001

EPA I.D. (TPDES only): TX 0132101

Expiration Date: 11/20/2025

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

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

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

Hidalgo County Municipal Utility District No. 1

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

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

CN: 600623581

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: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

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

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

Click to enter text.

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

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

CN: Click to enter text.

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

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

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

C. Core Data Form

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

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: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Interstate 2 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: Mr. Last Name, First Name: Gonzalez, Craig

Title: Principal Credential: P.E.

Organization Name: Urban Infrastructure Group, INC.

Mailing Address:P.O. BOX 729 City, State, Zip Code: Donna, TX, 78537

Phone No.: (956)405-3337 E-mail Address: cgonzalez@uigtexas.com

Check one or both: ☐ Administrative Contact ☒ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr. Last Name, First Name: Martin, Jeremiah

Title: District Manager Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Interstate 2 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: hidalgomud@aol.com

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

   ☐ Yes ☒ No

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

   ☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: See Attachment No. 8

G. Public Involvement Plan Form

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

Attachment: NA

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

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** 105767032

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

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

Hidalgo County M.U.D. No.1 Sewer Plant

C. Owner of treatment facility: Hidalgo M.U.D. No.1

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

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

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: Hidalgo County Municipal Utility District No.1

Mailing Address: 7400 W Interstate 2 City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 E-mail Address: NA

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

Attachment: NA

E. Owner of effluent disposal site:

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: NA

Mailing Address: NA City, State, Zip Code: NA

Phone No.: NA E-mail Address: NA

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

Attachment: NA

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

Prefix: NA Last Name, First Name: NA

Title: NA Credential: NA

Organization Name: NA

Mailing Address: NA City, State, Zip Code: NA

Phone No.: NA E-mail Address: NA

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

Attachment: NA

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

N/A

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

☒ Yes ☐ No

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

NA

City nearest the outfall(s): Palmview, Texas

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

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

☒ Yes ☐ No

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

The National Map US Topo

MISSION QUADRANGLE
TEXAS - HIDALGO COUNTY
7.5-MINUTE SERIES

HIDALGO COUNTY DRAINAGE DISTRICT NO.1 (DITCH)

THREE MILE DOWNSTREAM

3 MILE DOWNSTREAM OF DISCHARGE

PALMVIEW
MISSION
Palmhurst
Sharyland
Kane
Madero
Granjeno
HIDALGO
MCALLEN

Rio Grande
Edinburg Main Canal
Mission Main Canal
Sardinas Resaca
Bentsen Lake
Lake Conception
Main Floodway
McAllen Main Canal

UNITED STATES OF AMERICA
ESTADOS UNIDOS MEXICANOS

Valley Memorial Gardens
South Texas College
Rio Grande Valley State Veterans Cem
San Jose Cem
Temple Emmanuel Cem
Granjero Cem
Laurel Hill Gem

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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

Imagery.....NAIP, July 2016 - December 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2001 - 2018
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
4°2′ 72 MILS
0°18′ 5 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
NQ
00
NP
Grid Zone Designation 14R

SCALE 1:24 000

1 0,5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0,5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
	6	7

1 Citrus City
2 Alton
3 Edinburg
4 La Joya
5 Pharr
6 Hidalgo
7 Las Milpas

ADJOINING QUADRANGLES

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

MISSION, TX, TAM
2022

NSN. 7643016391310
NGA REF NO. USGSX24K29623

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ00

SOLICITUD. *Urban Infrastructure Group, INC.*, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0014950001 (EPA I.D. No. TX 0132101) 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 *950,000* galones por día. La planta está ubicada aproximadamente a 1.7 millas al noreste de la intersección de la carretera Farm-to-Market Road 1427 y la carretera Interstate 2 y aproximadamente 1.9 millas al noroeste de la intersección de la carretera Farm-to-Market Road 492 y la carretera Interstate 2, cerca de la ciudad de Palmview, en el Condado de Hidalgo, Texas *78572*. La ruta de descarga es del sitio de la planta a través de tuberia hacia el desagüe Goodwin, de allí hacia el desagüe Goodwin Mission Lateral, de allí hacia el desagüe Mission McAllen Lateral, de allí hacia el desagüe West Main I, de allí hacia el desagüe North Main Drain III, de allí hacia el desagüe North Main Drain II, de allí hacia el desagüe North Main Drain I, de allí hacia Main Floodway Channel, de allí hacia la Laguna Madre. La TCEQ recibió esta solicitud el *29 de abril*. La solicitud para el permiso estará disponible para leerla y copiarla en el Distrito de Servicios Públicos Municipales No. 1 del Condado de Hidalgo, Oficina de Administración, 7400 West Expressway 83-Interstate 2, Mission, 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=-98.415833,26.253611&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. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en 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 del Distrito de Servicios Públicos Municipales No. 1 del Condado de Hidalgo a la dirección indicada arriba o llamando a Sr. Craig Gonzalez, PE., Urban Infrastructure Group, Inc., al 956-405-3337.

Fecha de emisión: *[Date notice issued]*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Hidalgo County Municipal Utility District No.1

   Permit No. WQ00 14950001 EPA ID No. TX 0132101

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

   The wastewater treatment plant is located approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and Interstate 2 and approximately 1.9 miles northwest of the intersection of Farm-to-Market 492 and Interstate 2 in Hidalgo County, Texas.

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: Jeremiah Martin

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

Title: District Manager

Mailing Address: 7400 W Interstate 2

City, State, Zip Code: Mission, TX, 78572

Phone No.: (956)585-5821 Ext.: _ Fax No.:

E-mail Address: hidalgomud@aol.com

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

Click here to enter text.

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.

The effluent discharge route is via pipeline to the Goodwin drain, thence to the Mission Lateral, thence to Mission McAllen Lateral, thence to the West Main 1, thence to the North Main Drain III, thence to North Main Drain II, thence to North Main Drain I, thence to the Main Floodway Channel, thence to the Lower Laguna Madre in Segment No. 2491 of the Bays and Estuaries, and ultimately to the Gulf of America.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

N/A

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

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

N/A SEE LAST PERMIT APPLICATION

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

N/A SEE LAST PERMIT APPLICATION

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.

Hidalgo County Municipal Utility District No.1 (CN:600623581) operates HIDALGO COUNTY MUD 1 WWTP (RN105767032), a wastewater treatment facility. The facility is located at approximately 1.7 miles northeast of the intersection of Farm-to-Market Road 1427 and Interstate 2 and approximately 1.9 miles northwest of the intersection of Farm-to-Market Road 492 and Interstate 2, in Mission, Hidalgo County, Texas 78572. Renewal to discharge an average daily flow volume no more than 950,000 gallons per day of treated domestic water.

Discharges from the facility are expected to contain HEM, phosphorus, chloride, nitrate-nitrogen, sulfate, ammonia nitrogen, metals, e. coil, enterococci. Treated wastewater. Wastewater is treated by pumping raw wastewater through a treatment process consisting of headworks, an aeration basin flow splitter, aeration basins with a circuit of clarifier flow splitters and sludge pumps, followed by chlorination basins and process water pumps .

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

AGUAS RESIDUALES DOMESTICAS' **/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.

Hidalgo County Municipal Utility District No.1 (CN:600623581) opera HIDALGO COUNTY MUD 1 WWTP (RN:105767032), una Planta de tratamiento de aguas residuales . La instalación está ubicada en 1.7 millas al noreste de la intersección de la Carretera Farm-to-Market 1427 y la Carretera Interstate 2 y aproximadamente a 1.9 millas al noroeste de la intersección de la Carretera Farm-to-Market 492 y la Carretera Interstate 2, en Mission, Condado de Hidalgo, Texas 78572. Renovación para descargar un volumen de flujo diario promedio no superior a 950,000 galones por día de agua doméstica tratada.

Se espera que las descargas de la instalación contengan HEM, fósforo, cloruro, nitrato-nitrógeno, sulfato, nitrógeno amoniacal, metales, E. coli, enterococos. Aguas residuales procesadas. están tratado por bombeo de aguas residuales crudas a través de un proceso de tratamiento que consiste en obras de cabecera, un divisor de flujo de la balsa de aireación, balsas de aireación con un circuito de divisores de flujo de clarificador y bombas de lodos, seguido de balsas de cloración y bombas de agua de proceso..