



# 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

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

### DOMESTIC WASTEWATER

*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.*

Fort Bend County Municipal Utility District 242 (CN606261634 ) proposes to operate Fort Bend County Municipal Utility District 242 Wastewater Treatment Plant, (RN102342839). a wastewater treatment plant that shall consist of one (1) manual bar screen, three (3) aeration basins, one (1) final clarifier, two (2) aerobic digesters, and one (1) chlorine contact basin. The facility will be located 8712 ½ Jeske Rd, near Needville, Fort Bend County, Texas 77461.

This application is for a Major Amendment application to change the discharge location of the treated effluent and to update the phasing in the permit from an average daily flow of 75,000, 150,00 and 300,000 gallons per day to one phase of 300,000 of treated domestic wastewater.

Discharges from the facility are expected to contain 10 milligrams per liter (mg/L) of CBOD<sub>5</sub>, 15 mg/L TSS, 2 mg/L NH<sub>3</sub>-N, and 1-4 mg/L chlorine. Domestic wastewater will be treated by an activated sludge wastewater treatment plant operated in the complete mix mode with nitrification,



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

**AGUAS RESIDUALES DOMÉSTICAS**

*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 son representaciones federales exigibles de la solicitud de permiso.*

El Distrito Municipal de Servicios Públicos del Condado de Fort Bend 242 (CN606261634) propuesta operar la Planta de Tratamiento de Aguas Residuales del Distrito de Servicios Públicos Municipales del Condado Fort Bend No. 242 (RN102342839). La instalación va a hacer una planta de una (1) pantalla de barra manual, tres (3) tanques de aeración, uno (1) clarificador final, dos (2) digestores aeróbicos, y un (1) tanque de contacto de cloro. La facilidad va a estar ubicada 8712 ½ Jeske Rd, cerca de Needville, Condado de Fort Bend, Texas 77461.

Esta solicitud es para una enmienda importante para autorizar la descarga de aguas residuales tratadas a un volumen de promedio diario de 75,000, 150,000, y 300,000 galones por día a un fase de 300,000 galones por día de aguas residuales tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica de oxígeno de cinco días (CBOD5) de 10 miligramos por litro (mg/L), sólidos suspendidos totales (SST) de 15 mg/L, nitrógeno amoniacal (NH3-N) de 2 mg/L, y Escherichia coli (E. coli). Las aguas residuales domésticas serán tratadas por una planta de proceso de lodos activados operada en modo de mezcla completa.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0014219001

**APPLICATION.** Fort Bend County Municipal Utility District No. 242, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0014219001 (EPA I.D. No. TX0123595) to authorize the relocation of the outfall location. The domestic wastewater treatment facility is located at 8712 1/2 Jeske Road, near the city of Needville, in Fort Bend County, Texas 77461. The discharge route is from the plant site to storm sewer; thence to August Trails Detention Pond 2; thence to Fairchilds Creek; thence to Big Creek; thence to Brazos River Below Navasota River. TCEQ received this application on August 11, 2025. The permit application will be available for viewing and copying at Albert George Branch Library, 9230 Gene Street, Needville, in Fort Bend County, Texas, prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.824722,29.419166&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.**

**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](http://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](http://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 Fort Bend County Municipal Utility District No. 242 at the address stated above or by calling Ms. Valerie Lara, P.E., EHRA Engineering, at 713-784-4500.

Issuance Date: September 4, 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 MODIFICACION

**PERMISO NO. WQ0014219001**

**SOLICITUD.** El Distrito Municipal de Servicios Públicos No. 242 del Condado de Fort Bend, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0014219001 (EPA I.D. No. TX0123595) para autorizar la reubicación de la ubicación del emisario. La planta está ubicada en 8712 ½ Jeske Rd, cerca de Needville en el Condado de Fort Bend, Texas 77461. La ruta de descarga es desde el sitio de la planta hasta el alcantarillado pluvial; de allí al estanque de detención 2 de August Trails; de allí a Fairchilds Creek; de allí a Big Creek; de allí al río Brazos debajo del río Navasota. La TCEQ recibió esta solicitud el 11 de Agosto de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Bibliotecas de Albert George Branch, 9230 Gene Street, Needville, en el condado de Fort Bend, 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=-95.819244,29.422778&level=18>

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

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

**COMENTARIO PUBLICO / REUNION PUBLICA.** Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envíe 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](http://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 Municipal de Servicios Públicos No. 242 del Condado de Fort Bend a la dirección indicada arriba o llamando a Ms. Valerie Lara, P.E., EHRA Engineering al 713-784-4500.

Fecha de emisión: 4 de septiembre de 2025

**TCEQ DOMESTIC WASTEWATER PERMIT APPLICATION  
FOR  
FORT BEND COUNTY MUD NO. 242  
WASTEWATER TREATMENT PLANT  
  
APPLICATION FOR MAJOR AMENDMENT  
TO  
TPDES NO. WQ0014219001**



**JULY 2025**

**Prepared By:**



10011 Meadowglen Lane  
Houston, Texas 77042  
www.EHRA.team | 713.784.4500  
TBPE No. F-726 | TBPLS No. 10092300



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**Fort Bend County MUD No. 242  
Wastewater Treatment Plant  
TPDES Permit Major Amendment**

**List of Attachments**

**List of Attachments**

- Attachment 1 – Core Data Form  
(Corresponds to Administrative Report 1.0, Section 3.C, Page 4 of 17)
- Attachment 2 – Plain Language Summary  
(Corresponds to Administrative Report 1.0, Section 8.F, Page 7 of 17)
- Attachment 3 – Public Involvement Plan Worksheet  
(Corresponds to Administrative Report 1.0, Section 8.G, Page 7 of 17)
- Attachment 4 – Recorded Fort Bend County MUD No. 242 Facilities Reserve Plat  
(Corresponds to Administrative Report 1.0, Section 9.D, Page 7 of 17)
- Attachment 5 – USGS Topographic Map  
(Corresponds to Administrative Report 1.0, Section 13, Page 10 of 17)
- Attachment 6A – Affected Landowner Map  
(Corresponds to Administrative Report 1.1, Section 1, Page 12 of 17)
- Attachment 6B – Affected Landowner List  
(Corresponds to Administrative Report 1.1, Section 1, Page 12 of 17)
- Attachment 6C – Affected Landowner Mailing Labels  
(Corresponds to Administrative Report 1.1, Section 1, Page 12 of 17)
- Attachment 7A – Original Photographs  
(Corresponds to Administrative Report 1.1, Section 2, Page 13 of 17)
- Attachment 7B – Photograph Reference Map  
(Corresponds to Administrative Report 1.1, Section 2, Page 13 of 17)
- Attachment 8 – Buffer Zone Map  
(Corresponds to Administrative Report 1.1, Section 3, Page 13 of 17)
- Attachment 9 – Supplemental Permit Information Form  
(Corresponds to Administrative Report 1.1, SPIF, Page 14 of 17)
- Attachment 10 – Process Flow Diagram  
(Corresponds to Technical Report 1.0, Section 2, Page 2 of 66)
- Attachment 11A – Site Drawing  
(Corresponds to Technical Report 1.0, Section 3, Page 2 of 66)
- Attachment 11B – Service Area Map  
(Corresponds to Technical Report 1.0, Section 3, Page 2 of 66)
- Attachment 12A – List of WWTPs within 3 Mile Radius  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)
- Attachment 12B – Map of WWTPs within 3 Mile Radius  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)
- Attachment 12C – Capacity Request Correspondence  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)
- Attachment 13 – Design Calculations  
(Corresponds to Technical Report 1.1, Section 4, Page 22 of 66)
- Attachment 14 – Wind Rose  
(Corresponds to Technical Report 1.1, Section 5.B, Page 23 of 66)

Attachment 15 – Solids Management Plan

(Corresponds to Technical Report 1.1, Section 7, Page 23 of 66)



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Fort Bend County Municipal Utility District 242

PERMIT NUMBER (If new, leave blank): WQ00 14219001

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

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

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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input checked="" type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

**Payment Information:**

Mailed      Check/Money Order Number: 59291  
Check/Money Order Amount: \$1,250  
Name Printed on Check: EHRA Engineering

EPAY      Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed?      Yes ☐

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

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

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

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

- ☐ Active      ☒ Inactive

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

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

d. Check the box next to the appropriate application type

- |  |   |
|--|---|
| <input type="checkbox"/> New   |   |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal               | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal    |
| <input checked="" type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes                           | <input type="checkbox"/> Minor Modification of permit           |

e. For amendments or modifications, describe the proposed changes: Outfall location is being moved to a detention pond that discharges to Fairchilds Creek. In addition, only 1 phase (0.30 MGD) is needed.

f. For existing permits:

Permit Number: WQ00 14219001

EPA I.D. (TPDES only): TX 0123595

Expiration Date: March 18, 2030

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

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

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

Fort Bend County Municipal Utility District 242

*(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: 606261634

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: Gonzalez, Jorge

Title: President

Credential: Click to enter text.

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

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

Click to enter text.

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

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

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

### C. Core Data Form

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

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

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

A. Prefix: Ms.

Last Name, First Name: Lara, Valerie

Title: Assistant Project Manager

Credential: P.E.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane

City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500

E-mail Address: vlara@ehra.team

Check one or both:

☒

Administrative Contact

☒

Technical Contact

B. Prefix: Mr.

Last Name, First Name: Arias, Francisco

Title: Engineer III

Credential: E.I.T.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane

City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500

E-mail Address: farias@ehra.team

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: Ms.

Last Name, First Name: Lara, Valerie

Title: Assistant Project Manager

Credential: P.E.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500

E-mail Address: vlara@ehra.team

B. Prefix: Mr.

Last Name, First Name: Arias, Francisco

Title: Engineer III

Credential: E.I.T.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500

E-mail Address: farias@ehra.team

## 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: Ms.

Last Name, First Name: Scott, Tracey

Title: Bookkeeper

Credential: Click to enter text.

Organization Name: Myrtle Cruz, Inc.

Mailing Address: 3401 Louisiana Street, Suite 400 City, State, Zip Code: Houston, Tx, 77002

Phone No.: 713-759-1368

E-mail Address: tracey\_scott@mcruz.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: Muse, Austin

Title: Assistant Vice President

Credential: Click to enter text.

Organization Name: Municipal District Services, LLC

Mailing Address: 406 W. Grand Parkway S., Suite 260 City, State, Zip Code: Katy, Tx, 77494

Phone No.: 281-290-3192

E-mail Address: amuse@mdswater.com

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

### A. Individual Publishing the Notices

Prefix: Ms.

Last Name, First Name: Lara, Valerie

Title: Assistant Project Manager

Credential: P.E.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500

E-mail Address: vlara@ehra.team



**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: Ms.

Last Name, First Name: Lara, Valerie

Title: Assistant Project Manager Credential: P.E.

Organization Name: EHRA Engineering

Mailing Address: 10011 Meadowglen Lane City, State, Zip Code: Houston, Tx, 77042

Phone No.: 713-784-4500 E-mail Address: vlara@ehra.team

**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: Albert George Branch Library (Needville)

Location within the building: Front Desk

Physical Address of Building: 9230 Gene St, Needville

City: Needville

County: Fort Bend County

Contact (Last Name, First Name): Roberts, Jamisha

Phone No.: 281-238-2850 Ext.: Click to enter text.

**E. Bilingual Notice Requirements**

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

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

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

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

☒ Yes

☐ No

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

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

☒ Yes

☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

#### F. Plain Language Summary Template

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

Attachment: 2

#### G. Public Involvement Plan Form

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

Attachment: 3

### 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 102342839

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):

Fort Bend County MUD 242 Wastewater Treatment Plant

C. Owner of treatment facility: Fort Bend County MUD 242

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

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

Prefix: Mr. Last Name, First Name: Bocciardi, Austin

Title: Land Development Manager Credential: Click to enter text.

Organization Name: Forestar (USA) Real Estate Group Inc.

Mailing Address: 3355 West Alabama St., Suite 210 City, State, Zip Code: Houston, Tx, 77098

Phone No.: 713-221-7919 E-mail Address: AustinBocciardi@Forestar.com

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: 4

E. Owner of effluent disposal site:

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

Last Name, First Name: N/A

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

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

Organization Name: [Click to enter text.](#)

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

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

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

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

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

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

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

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

Last Name, First Name: N/A

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

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

Organization Name: [Click to enter text.](#)

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

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

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

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

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

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

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

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

☐ Yes ☒ No

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

The proposed wastewater treatment plant is located approximately 1,500 feet northwest of intersection of Old Needville-Fairchilds Road and Jeske Road, in Fort Bend County, Texas 77461. The address is 8712 ½ Jeske Rd, Needville, TX 77461.

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:

The effluent will discharge from the WWTP via storm sewer; thence to August Trails Detention Pond 2; thence to Fairchilds Creek; thence to Big Creek; thence to Brazos River Below Navasota River in Segment No. 1202 of the Brazos River Basin

City nearest the outfall(s): Needville

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

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

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

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

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

☐ Yes ☐ No

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

N/A

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

N/A

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

## Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

N/A

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

☒ Yes ☐ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Valerie Lara, P.E.

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

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

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

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

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

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

## Section 13. Attachments (Instructions Page 33)

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

- ☒ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information:
- Applicant's property boundary
  - Treatment facility boundary
  - Labeled point of discharge for each discharge point (TPDES only)
  - Highlighted discharge route for each discharge point (TPDES only)
  - Onsite sewage sludge disposal site (if applicable)
  - Effluent disposal site boundaries (TLAP only)
  - New and future construction (if applicable)
  - 1 mile radius information
  - 3 miles downstream information (TPDES only)
  - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- ☒ Other Attachments. Please specify: Attachment 1 – Core Data Form; Attachment 2 - Plain Language Summary; Attachment 3 - Public Involvement Plan Worksheet; Attachment 6A - Affected Landowner Map; Attachment 6B - Affected Landowner List; Attachment 6C - Affected Landowner Mailing Labels; Attachment 7A - Original Photographs; Attachment 7B - Photograph Reference Map; Attachment 8 - Buffer Zone Map; Attachment 9 - Supplemental Permit Information Form

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0014219001

Applicant: Fort Bend County Municipal Utility District 242

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): Jorge Gonzalez

Signatory title: Board President

Signature: \_\_\_\_\_

(Use blue ink)

Date: \_\_\_\_\_

2-7-25

Subscribed and Sworn to before me by the said Jorge Gonzalez

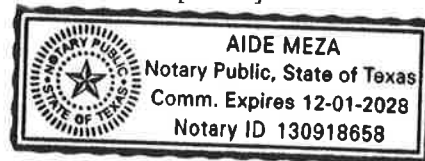
on this 7<sup>th</sup> day of February, 20 25.

My commission expires on the 15<sup>th</sup> day of December, 20 25.

Aide Meza  
Notary Public

Harris  
County, Texas

[SEAL]



# 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: Fort Bend Central Appraisal District

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):

Click to enter text.

## 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:** 9

# 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

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

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

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

#### A. Existing/Interim I Phase

Design Flow (MGD): 0.30

2-Hr Peak Flow (MGD): 1.20

Estimated construction start date: 09/01/2025

Estimated waste disposal start date: 10/01/2026

#### B. Interim II Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

#### C. Final Phase

Design Flow (MGD): Click to enter text.

2-Hr Peak Flow (MGD): Click to enter text.

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

#### D. Current Operating Phase

Provide the startup date of the facility: Not yet constructed

### Section 2. Treatment Process (Instructions Page 43)

#### A. Current Operating Phase

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

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

The WWTP will consist of one phase: the phase will be complete mix-activated sludge with nitrification. Treatment units include one manual bar screen, three aeration basins, one final clarifier, two aerobic digesters, and one chlorine contact basin.

## 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)
Bar Screen	1	5.5-ft X 6.67-ft X 5-ft
Aeration Basin(s)	3	12-ft X 52-ft X 10.67-ft SWD, each
Clarifier	1	38-ft dia X 10.67-ft SWD, each
Aerobic Digester(s)	2	12-ft X 52-ft X 10.67-ft SWD, each
Chlorine Contact Basin	1	12-ft X 32-ft X 9-ft SWD

## C. Process Flow Diagram

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

**Attachment:** 10

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

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

- Latitude: 29.422344
- Longitude: -95.819389

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: 11B**

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

Fort Bend County MUD 242 Wastewater Treatment Plant will serve a residential development (±272 acres) called August Trails within Fort Bend County. The residential development with light commercial will ultimately have 1,000 equivalent single-family connections.

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
Fort Bend County MUD 242 Collection System	Fort Bend County MUD 242	Publicly Owned	2,400
		Choose an item.	
		Choose an item.	
		Choose an item.	

**Section 4. Unbuilt Phases (Instructions Page 45)**

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

**Section 5. Closure Plans (Instructions Page 45)**

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

## Section 6. Permit Specific Requirements (Instructions Page 45)

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

### A. Summary transmittal

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

☐ Yes ☒ No

If **yes**, provide the date(s) of approval for each phase: [Click to enter text.](#)

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

Click to enter text.

### B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

The Buffer Zone requirements are met through ownership and restrictive easements.

### C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click to enter text.

### D. Grit and grease treatment

#### 1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

#### 2. Grit and grease processing

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

Click to enter text.

#### 3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

[Click to enter text.](#)

#### 4. *Grease and decanted liquid disposal*

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

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

[Click to enter text.](#)

### E. Stormwater management

#### 1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

#### 2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

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

☐ Yes ☐ No

#### 3. *Conditional exclusion*

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

☐ Yes ☐ No



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

Click to enter text.

**4. Existing coverage in individual permit**

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

☐ Yes ☐ No

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

Click to enter text.

**5. Zero stormwater discharge**

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

☐ Yes ☐ No

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

Click to enter text.

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

**6. Request for coverage in individual permit**

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

☐ Yes ☐ No

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

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

[Click to enter text.](#)

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

#### F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

[Click to enter text.](#)

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

##### 1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the sludge, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

[Click to enter text.](#)

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

##### 2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD<sub>5</sub> concentration of the septic waste, and the design BOD<sub>5</sub> concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☐ Yes ☒ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD <sub>5</sub> , 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					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, $\mu$ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

\*TPDES permits only

†TLAP permits only

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO <sub>3</sub> ), mg/l					

## Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Municipal District Services, LLCFacility Operator's License Classification and Level: Wastewater Operations CompanyFacility Operator's License Number: oC0000129

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

### A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

### B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

### C. Biosolids Management

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

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

#### Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Storage	Off-site Third-Party Handler or Preparer	Not Applicable		Class B: PSRP Aerobic Digestion	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If “Other” is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Transport to another treatment plant for further processing.

#### D. Disposal site

Disposal site name: TBD

TCEQ permit or registration number: Click to enter text.

County where disposal site is located: Click to enter text.

#### E. Transportation method

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

Name of the hauler: TBD

Hauler registration number: Click to enter text.

Sludge is transported as a:

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

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

#### A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

## B. Sludge processing authorization

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

Sludge Composting	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

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

☐ Yes ☐ No

## Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

### A. Location information

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

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

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

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

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

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

[Click to enter text.](#)

## B. Temporary storage information

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Provide the following information:

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

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

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

## C. Liner information

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

☐ Yes ☐ No



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

[Click to enter text.](#)

#### D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

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

#### E. Groundwater monitoring

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

☐ Yes ☐ No

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

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

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

### A. Additional authorizations

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

☐ Yes ☒ No

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

Click to enter text.

### B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

### A. RCRA hazardous wastes

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

☐ Yes ☒ No

**B. Remediation activity wastewater**

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

☐ Yes ☒ No

**C. Details about wastes received**

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

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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## TECHNICAL REPORT 1.1

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

### Section 1. Justification for Permit (Instructions Page 57)

#### A. Justification of permit need

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

Fort Bend County MUD 242 Wastewater Treatment Plant will treat domestic wastes from a planned ±272-acre residential community that does not currently have access to wastewater treatment. No surrounding facilities are large enough or have plans for expansions that would accommodate the proposed community. Currently, there are three phases in the current permit, which will no longer be needed. Only one phase is needed for the development which will be for 0.30 MGD.

#### B. Regionalization of facilities

For additional guidance, please review [TCEQ's Regionalization Policy for Wastewater Treatment](#)<sup>1</sup>.

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

##### 1. Municipally incorporated areas

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: [Click to enter text.](#)

If yes, attach correspondence from the city.

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

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

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

##### 2. Utility CCN areas

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

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

If **yes**, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

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

### 3. *Nearby WWTPs or collection systems*

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☒ Yes ☐ No

If **yes**, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

**Attachment:** [12A & 12B](#)

If **yes**, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

**Attachment:** [12C](#)

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

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

## Section 2. Proposed Organic Loading (Instructions Page 59)

Is this facility in operation?

☐ Yes ☒ No

If **no**, proceed to Item B, Proposed Organic Loading.

If **yes**, provide organic loading information in Item A, Current Organic Loading

### A. Current organic loading

Facility Design Flow (flow being requested in application): [Click to enter text.](#)

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: [Click to enter text.](#)

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34): [Click to enter text.](#)

Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

[Click to enter text.](#)

## B. Proposed organic loading

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

**Table 1.1(1) – Design Organic Loading**

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision	0.300	250
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.300	
AVERAGE BOD <sub>5</sub> from all sources		250

## Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

### A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: Click to enter text.

## B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)

Total Suspended Solids, mg/l: [Click to enter text.](#)

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

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

Dissolved Oxygen, mg/l: [Click to enter text.](#)

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

## C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: [Click to enter text.](#)

Total Suspended Solids, mg/l: [Click to enter text.](#)

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

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

Dissolved Oxygen, mg/l: [Click to enter text.](#)

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

## D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1-4 mg/l after 20 minutes detention time at peak flow

Dechlorination process: N/A

☐ Ultraviolet Light: [Click to enter text.](#) seconds contact time at peak flow

☐ Other: [Click to enter text.](#)

## Section 4. Design Calculations (Instructions Page 59)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: 13

## Section 5. Facility Site (Instructions Page 60)

### A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If **no**, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

[Click to enter text.](#)

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

[Click to enter text.](#)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide the approximate date you anticipate submitting your application to the Corps: [Click to enter text.](#)

#### B. Wind rose

Attach a wind rose: [Attachment 14](#)

### Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

#### A. Beneficial use authorization

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

☐ Yes ☒ No

If **yes**, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: [Click to enter text.](#)

#### B. Sludge processing authorization

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

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

If **any of the above**, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: [Click to enter text.](#)

### Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

**Attachment:** [15](#)

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

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow



- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

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

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

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

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

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

#### A. Receiving water outfall

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

#### B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

[Click to enter text.](#)

#### C. Sea grasses

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

☐ Yes ☐ No

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

[Click to enter text.](#)

### Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

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

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

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

Name of the immediate receiving waters: August Trails Detention Pond 2

#### A. Receiving water type

Identify the appropriate description of the receiving waters.

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

Surface area, in acres: 19.61 acres

Average depth of the entire water body, in feet: 7 ft

Average depth of water body within a 500-foot radius of discharge point, in feet: 7 ft

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

#### B. Flow characteristics

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

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

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

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

### C. Downstream perennial confluences

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

Fairchild's Creek

### 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.

The effluent flows into August Trails Detention Pond 2 from which flows into Fairchild's Creek.

### E. Normal dry weather characteristics

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

Detention pond currently under construction – unvegetated compacted soil.

Date and time of observation: 3/12/2025

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

### A. Upstream influences

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

- |   |  |
|---|--|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff  |
| <input type="checkbox"/> Upstream discharges  | <input type="checkbox"/> Agricultural runoff   |
| <input type="checkbox"/> Septic tanks         | <input checked="" type="checkbox"/> Other(s), specify: <u>August Trails Detention Pond 2 will accept stormwater run-off from adjacent residential community.</u> |

## B. Waterbody uses

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

- |  |  |
|--|--|
| <input type="checkbox"/> Livestock watering    | <input type="checkbox"/> Contact recreation                                      |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation                                  |
| <input type="checkbox"/> Fishing               | <input type="checkbox"/> Navigation  |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply                                 |
| <input type="checkbox"/> Park activities       | <input type="checkbox"/> Other(s), specify: <a href="#">Click to enter text.</a> |

## C. Waterbody aesthetics

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

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

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

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

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

### Section 1. General Information (Instructions Page 66)

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

Stream name: [Click to enter text.](#)

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

Type of stream upstream of existing discharge or downstream of proposed discharge (check one).

☐ Perennial ☐ Intermittent with perennial pools

### Section 2. Data Collection (Instructions Page 66)

Number of stream bends that are well defined: [Click to enter text.](#)

Number of stream bends that are moderately defined: [Click to enter text.](#)

Number of stream bends that are poorly defined: [Click to enter text.](#)

Number of riffles: [Click to enter text.](#)

Evidence of flow fluctuations (check one):

☐ Minor ☐ moderate ☐ severe

Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.

[Click to enter text.](#)

## Stream transects

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

**Table 2.1(1) - Stream Transect Records**

<b>Stream type at transect</b> Select riffle, run, glide, or pool. See Instructions, Definitions section.	<b>Transect location</b>	<b>Water surface width (ft)</b>	<b>Stream depths (ft)</b> at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			
<a href="#">Choose an item.</a>			

## Section 3. Summarize Measurements (Instructions Page 66)

Streambed slope of entire reach, from USGS map in feet/feet: [Click to enter text.](#)

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): [Click to enter text.](#)

Length of stream evaluated, in feet: [Click to enter text.](#)

Number of lateral transects made: [Click to enter text.](#)

Average stream width, in feet: [Click to enter text.](#)

Average stream depth, in feet: [Click to enter text.](#)

Average stream velocity, in feet/second: [Click to enter text.](#)

Instantaneous stream flow, in cubic feet/second: [Click to enter text.](#)

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): [Click to enter text.](#)

Size of pools (large, small, moderate, none): [Click to enter text.](#)

Maximum pool depth, in feet: [Click to enter text.](#)

# DOMESTIC WASTEWATER PERMIT APPLICATION

## WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

### Section 1. All POTWs (Instructions Page 89)

#### A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: [Click to enter text.](#)

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: [Click to enter text.](#)

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: [Click to enter text.](#)

#### B. Treatment plant interference

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

☐ Yes ☒ No

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

[Click to enter text.](#)



### C. Treatment plant pass through

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

☐ Yes ☒ No

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

Click to enter text.

### D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

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

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

### A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

**B. Non-substantial modifications**

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

☐ Yes ☐ No

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

Click to enter text.

**C. Effluent parameters above the MAL**

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

**Table 6.0(1) – Parameters Above the MAL**

Pollutant	Concentration	MAL	Units	Date

**D. Industrial user interruptions**

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

☐ Yes ☐ No

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

Click to enter text.

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

### A. General information

Company Name: [Click to enter text.](#)

SIC Code: [Click to enter text.](#)

Contact name: [Click to enter text.](#)

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

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

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

Email address: [Click to enter text.](#)

### B. Process information

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

[Click to enter text.](#)

### C. Product and service information

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

[Click to enter text.](#)

### D. Flow rate information

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

Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day: [Click to enter text.](#)

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

### E. Pretreatment standards

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

### F. Industrial user interruptions

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

☐ Yes ☐ No

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

[Click to enter text.](#)

## **Attachment 1 – Core Data Form**

(Corresponds to Administrative Report 1.0, Section 3.C, Page 4 of 17)



# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>Major Amendment to Permit</b>	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 606261634		RN 102342839

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Fort Bend County Municipal Utility District 242					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits) 32096665669		<b>9. Federal Tax ID</b> (9 digits)	
				<b>10. DUNS Number</b> (if applicable)	
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>		3200 Southwest Fwy, Suite 2600			
City		Houston		State	TX
ZIP		77027		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
(   ) -		(   ) -

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
Fort Bend County MUD 242 Wastewater Treatment Plant								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	8712 1/2 Jeske Rd							
	<b>City</b>	Needville	<b>State</b>	TX	<b>ZIP</b>	77461	<b>ZIP + 4</b>	
<b>24. County</b>	Fort Bend County							

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

<b>25. Description to Physical Location:</b>								
<b>26. Nearest City</b>					<b>State</b>	<b>Nearest ZIP Code</b>		
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>								
<b>27. Latitude (N) In Decimal:</b>		29.422778			<b>28. Longitude (W) In Decimal:</b>		-95.819244	
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds		
29	25	22		-95	49	9.28		
<b>29. Primary SIC Code</b> (4 digits)	<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)		<b>32. Secondary NAICS Code</b> (5 or 6 digits)			
4952			221320					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)								
Wastewater Treatment								
<b>34. Mailing Address:</b>								
	3200 Southwest Fwy, Suite 2600							
	<b>City</b>	Houston	<b>State</b>	TX	<b>ZIP</b>	77027	<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>								
<b>36. Telephone Number</b>			<b>37. Extension or Code</b>			<b>38. Fax Number (if applicable)</b>		
(   ) -						(   ) -		

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0014219001			

## SECTION IV: Preparer Information

<b>40. Name:</b>	Valerie Lara, P.E.		<b>41. Title:</b>	Assistant Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 713 ) 784-4500		( ) -	vlara@ehra.team	

## 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.

<b>Company:</b>	Fort Bend County MUD 242		<b>Job Title:</b>	Board President	
<b>Name (In Print):</b>	Jorge Gonzalez			<b>Phone:</b>	( ) 210-288-8565
<b>Signature:</b>				<b>Date:</b>	2-7-25



**Attachment 2 – Plain Language Summary**  
(Corresponds to Administrative Report 1.0, Section 8.F, Page 7 of 17)

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

### DOMESTIC WASTEWATER

*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.*

Fort Bend County Municipal Utility District 242 (CN606261634 ) proposes to operate Fort Bend County Municipal Utility District 242 Wastewater Treatment Plant, (RN102342839). a wastewater treatment plant that shall consist of one (1) manual bar screen, three (3) aeration basins, one (1) final clarifier, two (2) aerobic digesters, and one (1) chlorine contact basin. The facility will be located 8712 ½ Jeske Rd, near Needville, Fort Bend County, Texas 77461.

This application is for a Major Amendment application to change the discharge location of the treated effluent and to update the phasing in the permit from an average daily flow of 75,000, 150,00 and 300,000 gallons per day to one phase of 300,000 of treated domestic wastewater.

Discharges from the facility are expected to contain 10 milligrams per liter (mg/L) of CBOD<sub>5</sub>, 15 mg/L TSS, 2 mg/L NH<sub>3</sub>-N, and 1-4 mg/L chlorine. Domestic wastewater will be treated by an activated sludge wastewater treatment plant operated in the complete mix mode with nitrification,

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

**AGUAS RESIDUALES DOMÉSTICAS**

*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 son representaciones federales exigibles de la solicitud de permiso.*

El Distrito Municipal de Servicios Públicos del Condado de Fort Bend 242 (CN606261634) propuesta operar la Planta de Tratamiento de Aguas Residuales del Distrito de Servicios Públicos Municipales del Condado Fort Bend No. 242 (RN102342839). La instalación va a hacer una planta de una (1) pantalla de barra manual, tres (3) tanques de aeración, uno (1) clarificador final, dos (2) digestores aeróbicos, y un (1) tanque de contacto de cloro. La facilidad va a estar ubicada 8712 ½ Jeske Rd, cerca de Needville, Condado de Fort Bend, Texas 77461.

Esta solicitud es para una enmienda importante para autorizar la descarga de aguas residuales tratadas a un volumen de promedio diario de 75,000, 150,000, y 300,000 galones por día a un fase de 300,000 galones por día de aguas residuales tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica de oxígeno de cinco días (CBOD5) de 10 miligramos por litro (mg/L), sólidos suspendidos totales (SST) de 15 mg/L, nitrógeno amoniacal (NH3-N) de 2 mg/L, y Escherichia coli (E. coli). Las aguas residuales domésticas serán tratadas por una planta de proceso de lodos activados operada en modo de mezcla completa.

## **Attachment 3 – Public Involvement Plan Worksheet**

(Corresponds to Administrative Report 1.0, Section 8.G, Page 7 of 17)



Texas Commission on Environmental Quality

## Public Involvement Plan Form for Permit and Registration Applications

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

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

### Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

**If neither of the above boxes are checked, completion of the form is not required and does not need to be submitted.**

### Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

**If all the above boxes are not checked, a Public Involvement Plan is not necessary.  
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

A new WWTP is being built to serve a new development. The proposed WWTP is not listed in any of the geographical locations listed and nearby WWTP applications have not had significant public interest.

### Section 3. Application Information

#### Type of Application (check all that apply):

Air            Initial        Federal        Amendment        Standard Permit        Title V  
Waste        Municipal Solid Waste        Industrial and Hazardous Waste        Scrap Tire  
                  Radioactive Material Licensing                    Underground Injection Control

#### Water Quality

    Texas Pollutant Discharge Elimination System (TPDES)  
        Texas Land Application Permit (TLAP)  
        State Only Concentrated Animal Feeding Operation (CAFO)  
        Water Treatment Plant Residuals Disposal Permit  
    Class B Biosolids Land Application Permit  
    Domestic Septage Land Application Registration

#### Water Rights New Permit

    New Appropriation of Water  
    New or existing reservoir

#### Amendment to an Existing Water Right

    Add a New Appropriation of Water  
    Add a New or Existing Reservoir  
    Major Amendment that could affect other water rights or the environment

### Section 4. Plain Language Summary

Provide a brief description of planned activities.

## Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

**Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.**

(City)

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

City

County

Census Tract

- (a) Percent of people over 25 years of age who at least graduated from high school
- (b) Per capita income for population near the specified location
- (c) Percent of minority population and percent of population by race within the specified location
- (d) Percent of Linguistically Isolated Households by language within the specified location
- (e) Languages commonly spoken in area by percentage
- (f) Community and/or Stakeholder Groups
- (g) Historic public interest or involvement

## Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

Yes      No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

Yes      No

If Yes, please describe.

**If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.**

(c) Will you provide notice of this application in alternative languages?

Yes      No

**Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.**

If yes, how will you provide notice in alternative languages?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

Yes      No

(e) If a public meeting is held, will a translator be provided if requested?

Yes      No

(f) Hard copies of the application will be available at the following (check all that apply):

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

## Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

Yes      No

What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)



**Attachment 4 – Recorded Fort Bend County MUD No. 242  
Facilities Reserve Plat**

(Corresponds to Administrative Report 1.0, Section 9.D, Page 7 of 17)



**Attachment 5 – USGS Topographic Map**  
(Corresponds to Administrative Report 1.0, Section 13, Page 10 of 17)

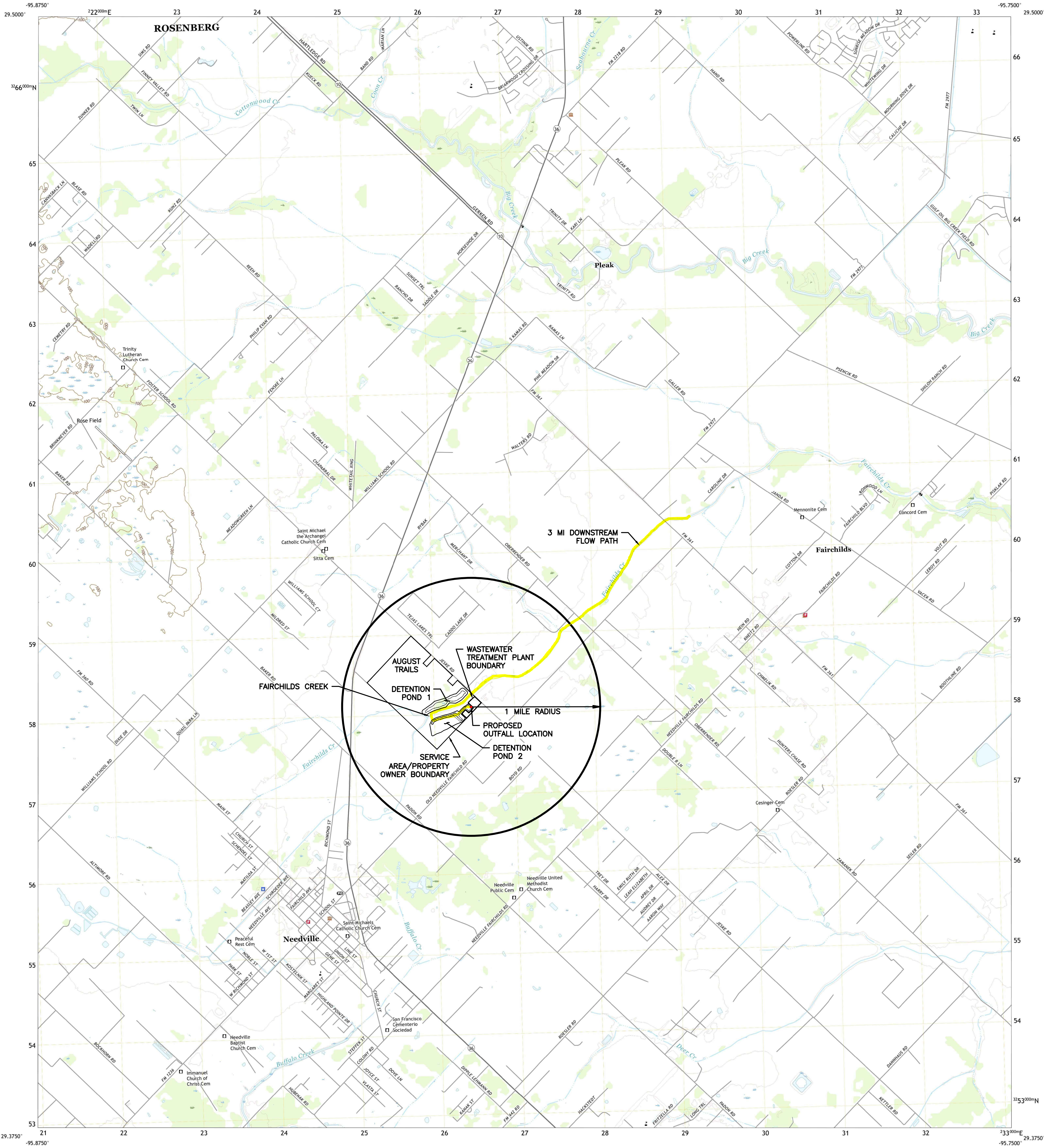




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

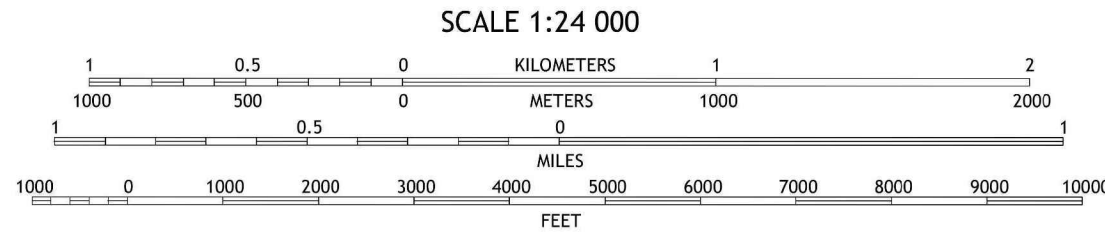
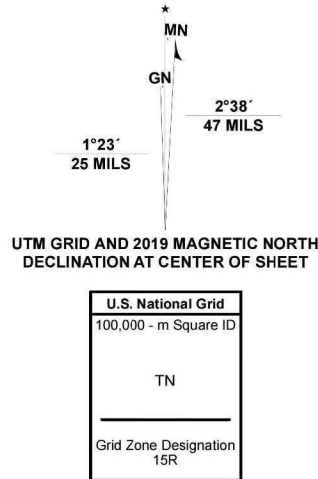


NEEDVILLE QUADRANGLE  
TEXAS - FORT BEND COUNTY  
7.5-MINUTE SERIES

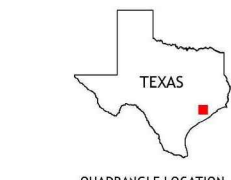


Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83) Projection and  
World Geodetic System of 1984 (WGS84) Projection and  
1 000-meter grid-Universal Transverse Mercator, Zone 15R  
This map is not a legal document. Boundaries may be  
generalized for this map scale.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

Imagery.....NAP, September 2016 - November 2016  
Roads.....U.S. Census Bureau, 2015  
Names.....GNIS, 2008 - 2021  
Hydrography.....National Hydrography Dataset, 2002 - 2018  
Contours.....National Elevation Dataset, 2011  
Boundaries.....Multiple sources; see metadata file 2019 - 2021  
Wetlands.....FWS National Wetlands Inventory Not Available



CONTOUR INTERVAL: 10 FEET  
NORTH AMERICAN VERTICAL DATUM OF 1988  
This map was produced to conform with the  
National Geospatial Program US Topo Product Standard.



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Orchard  
2 Richmond  
3 Sugar Land  
4 Kendleton  
5 Smithers Lake  
6 Boling  
7 Guy  
8 Darnon



NEEDVILLE, TX  
2022



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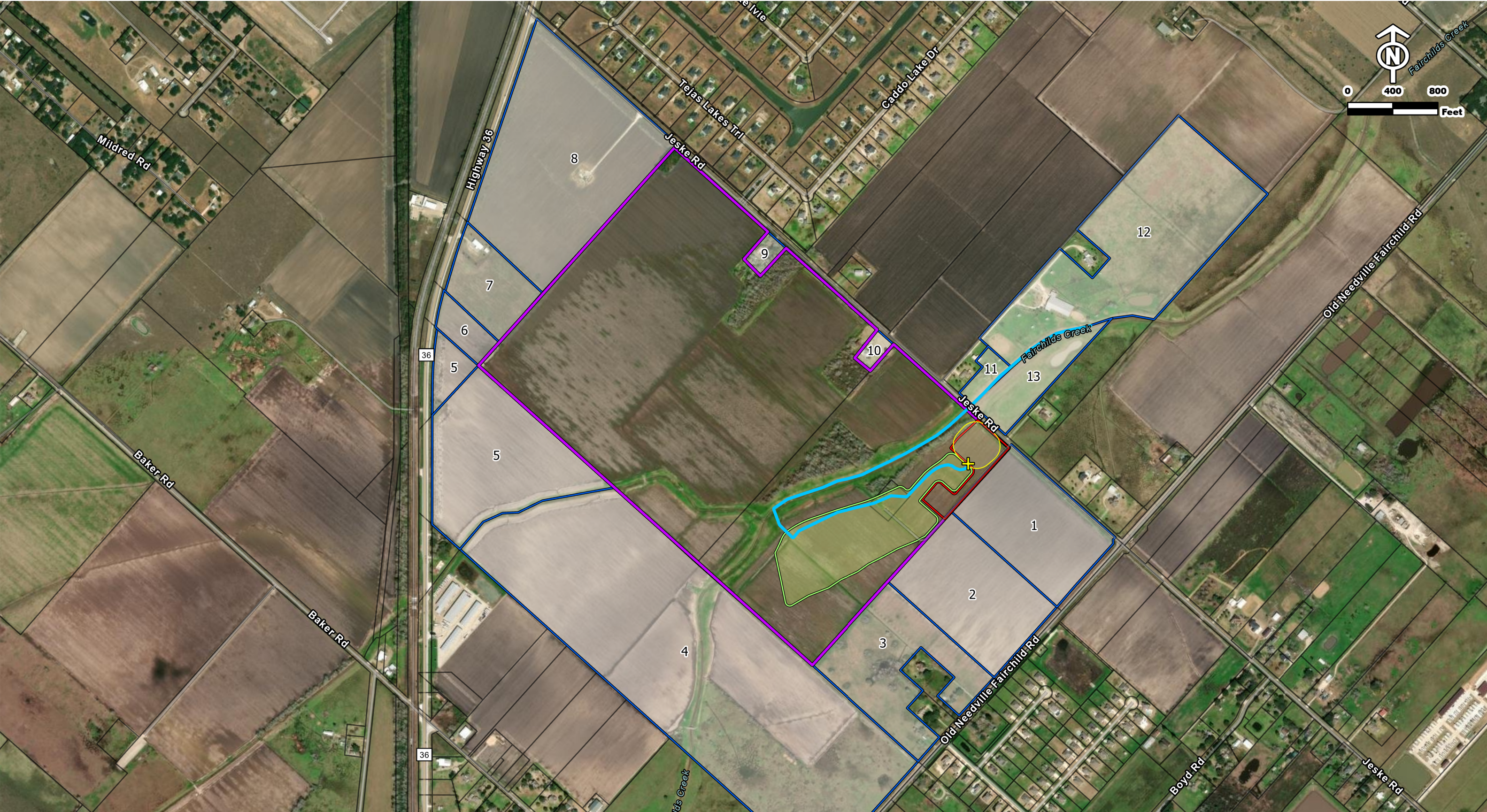
**FORT BEND COUNTY MUD 242  
MAJOR AMENDMENT PERMIT  
WQ0014219001**

ATTACHMENT 5  
USGS NEEDVILLE QUAD



**Attachment 6A – Affected Landowner Map**  
(Corresponds to Administrative Report 1.0, Section 1, Page 12 of 17)





**Fort Bend County MUD No. 242 WWTP**  
**New TPDES Permit**  
**Attachment 6A Affected Landowners**

- |                   |                                  |
|-------------------|----------------------------------|
| Outfall Point     | Service Area & Property Boundary |
| 1 Mile Downstream | Detention Ponds                  |
| 150-Ft Buffer     | WWTP Boundary                    |
| Parcels           | Adjacent Parcels                 |



The data presented herein are for planning and assessment purposes only. EHRA maps are assembled from data originating from Geographic Information System (GIS) databases or GIS services maintained by public entities. They do not represent legal survey. While EHRA strives to provide as accurate and reliable data as possible, EHRA makes no claims or warranty, expressed or implied, regarding the accuracy or validity of the data or products presented.



**Attachment 6B – Affected Landowner List**  
(Corresponds to Administrative Report 1.0, Section 1, Page 12 of 17)

**AFFECTED LANDOWNERS LIST**

<b>ID</b>	<b>Current Owner</b>	<b>Address</b>	<b>City</b>	<b>State</b>	<b>ZIP</b>
1	Chambers Virginia	PO Box 203	Needville	TX	77461-0203
2	Matula Elaine	8430 Osceola LN	West Columbia	TX	77486-7136
3	Jeske Virgie	2721 Calvin RD	Richmond	TX	77469-8412
4	Schroeder Lee	400 COUNTRY PLACE WEST DR	BRENHAM	TX	77833-1693
5	Forestar USA Real Estate Group Inc	2221 E Lamar BLVD	Arlington	TX	76006-7458
6	Rocha Hector Jr & Reynaldo Huerta	5927 Foerster School RD	Needville	TX	77461-9650
7	Filling Station Ministries Inc	c/o Pastor Donald Brdecka PO Box 1506	Needville	TX	77461-1506
8	Bassett Clem etal	4346 FM 531	YOAKUM	TX	77995-4857
9	Hartfied Alton & Jan	8010 Jeske RD	Needville	TX	77461-7236
10	Johnson Norvilan	108 Morton ST	Richmond	TX	77469-3115
11	Sablatura Ronnie E & Kathie D	P O Box 1644	Needville	TX	77461-1644
12	Atkinson Mark & Marissa	PO Box 427	Needville	TX	77461-0427
13	Qabid LLC	2318 Britton Ridge DR	Katy	TX	77494-3936



**Attachment 6C – Affected Landowner Mailing Labels**  
(Corresponds to Administrative Report 1.0, Section 1, Page 12 of 17)

Chambers Virginia  
PO Box 203  
Needville TX 77461-0203

Matula Elaine  
8430 Osceola LN  
West Columbia TX 77486-7136

Jeske Virgie  
2721 Calvin RD  
Richmond TX 77469-8412

Schroeder Lee  
400 COUNTRY PLACE WEST DR  
BRENHAM TX 77833-1693

Forestar USA Real Estate Group Inc  
2221 E Lamar BLVD  
Arlington TX 76006-7458

Rocha Hector Jr & Reynaldo Huerta  
5927 Foerster School RD  
Needville TX 77461-9650

Filling Station Ministries Inc  
c/o Pastor Donald Brdecka PO Box  
1506  
Needville TX 77461-1506

Bassett Clem etal  
4346 FM 531  
YOAKUM TX 77995-4857

Hartfied Alton & Jan  
8010 Jeske RD  
Needville TX 77461-7236

Johnson Norvilan  
108 Morton ST  
Richmond TX 77469-3115

Sablatura Ronnie E & Kathie D  
P O Box 1644  
Needville TX 77461-1644

Atkinson Mark & Marissa  
PO Box 427  
Needville TX 77461-0427

Qabid LLC  
2318 Britton Ridge DR  
Katy TX 77494-3936

**Attachment 7A – Original Photographs**  
(Corresponds to Administrative Report 1.0, Section 2, Page 13 of 17)



P:\191-011-21\Drawings\Project 1 Name & Description\Exhibits\Attachment 7A - Original Photographs.dwg May 01, 2025-8:58am Edited by: SDavidson



**FORT BEND COUNTY MUD 242  
MAJOR AMENDMENT PERMIT  
WQ0014219001**

ATTACHMENT 7A  
PHOTO 1  
OUTFALL



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WQ0014219001**

ATTACHMENT 7A PHOTO 2  
PROPOSED DOWNSTREAM LOCATION  
- FUTURE AUGUST TRAILS  
DETENTION POND 2



P:\191-011-21\Drawings\Project 1 Name & Description\Exhibits\Attachment 7A - Original Photographs.dwg May 01, 2025-8:58am Edited by: SDavidson

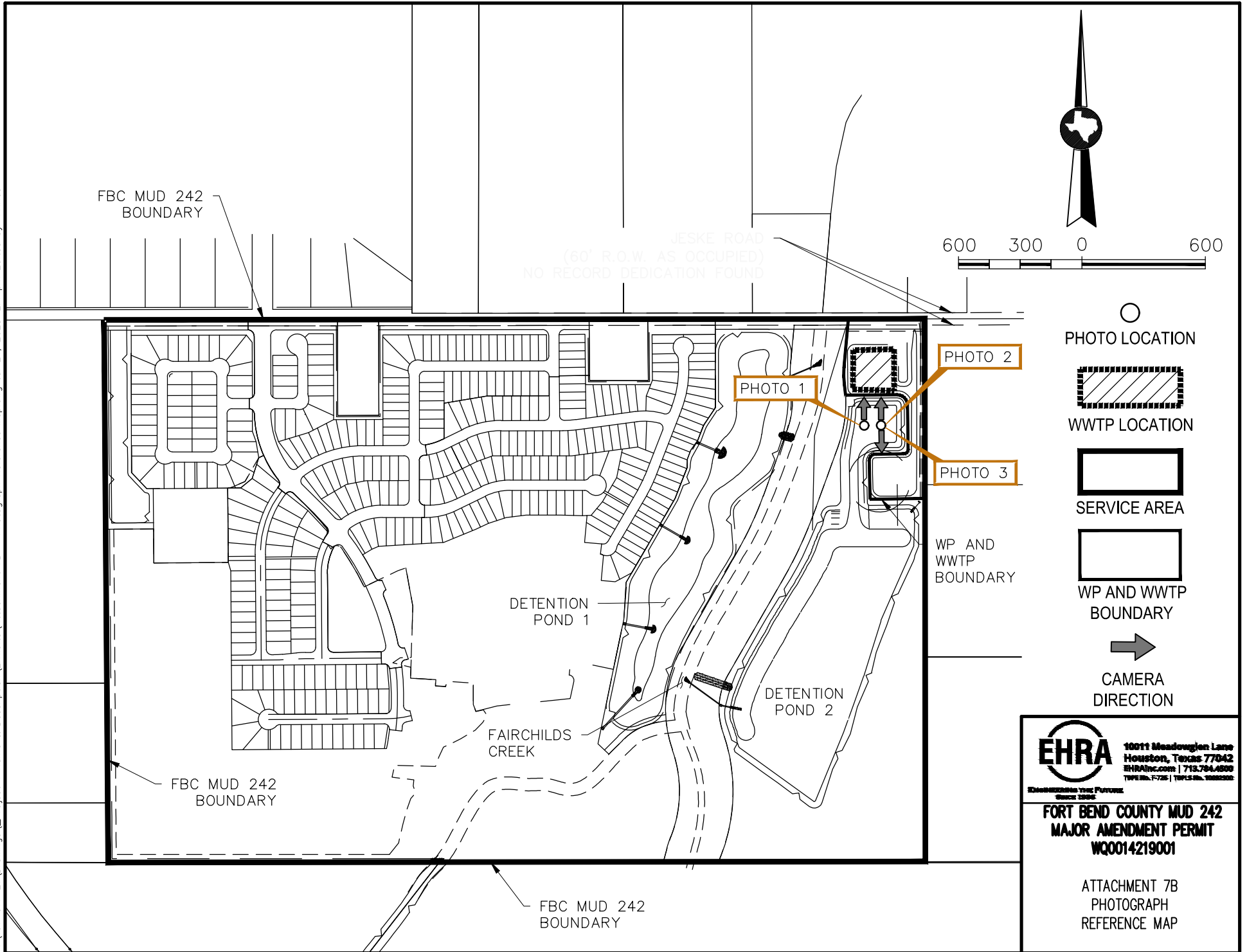


**FORT BEND COUNTY MUD 242  
MAJOR AMENDMENT PERMIT  
WQ0014219001**

ATTACHMENT 7A  
PHOTO 3  
WWTP SITE



**Attachment 7B – Photograph Reference Map**  
(Corresponds to Administrative Report 1.0, Section 2, Page 13 of 17)

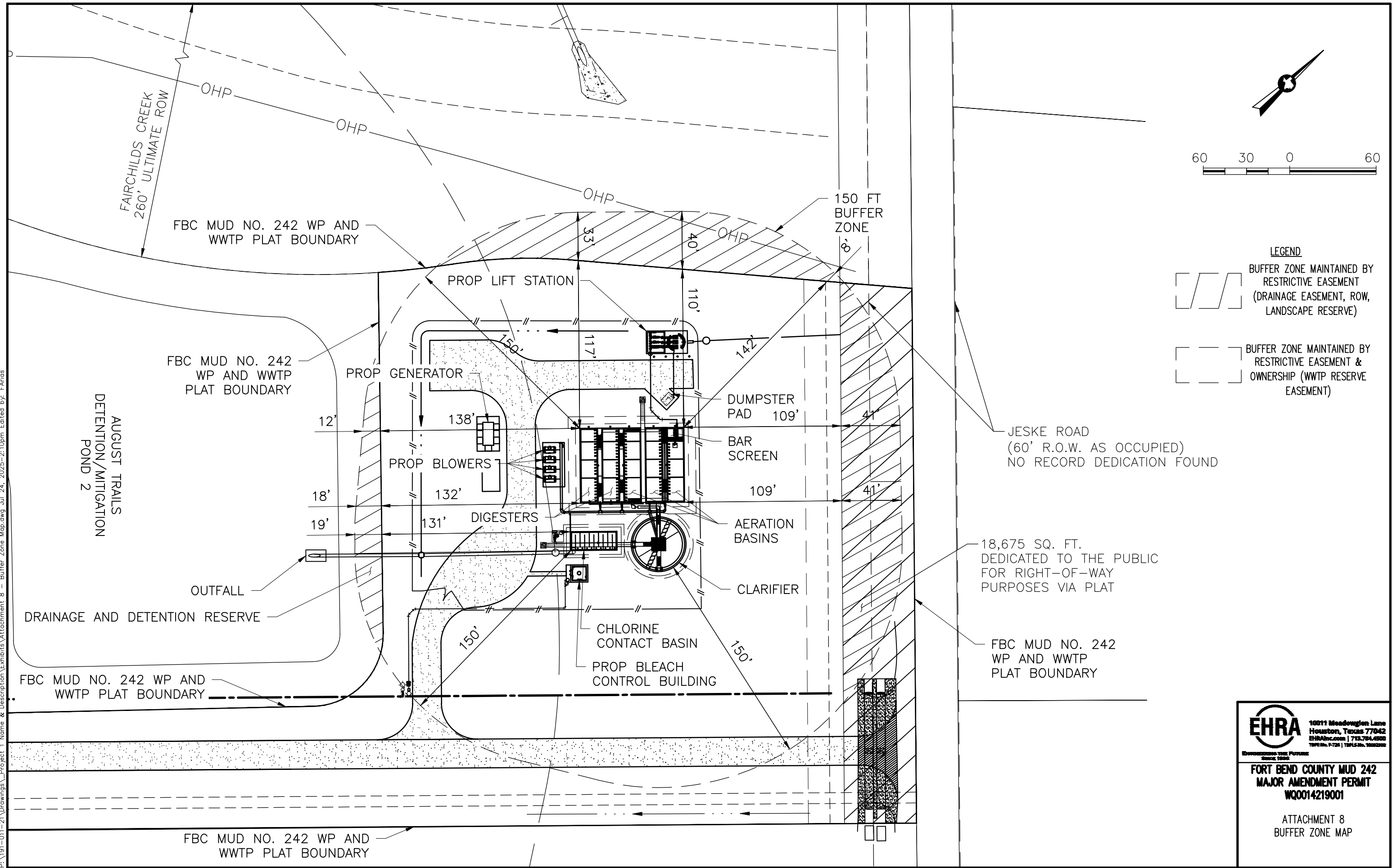




## **Attachment 8 – Buffer Zone Map**

(Corresponds to Administrative Report 1.0, Section 3, Page 13 of 17)

P:\191-011-21\Drawings\Project 1 Name & Description\Exhibits\Attachment 8 - Buffer Zone Map.dwg Jul 24, 2025-2:10pm Edited by: Farios



## **Attachment 9 – Supplemental Permit Information Form**

(Corresponds to Administrative Report 1.0, SPIF, Page 14 of 17)

# 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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Fort Bend County Municipal Utility District 242

Permit No. WQ00 14219001EPA ID No. TX 0123595

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

8712 ½ Jeske Rd, Needville, Fort Bend County, TX 77461

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

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

First and Last Name: Valerie Lara

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

Title: Assistant Project Manager

Mailing Address: 10011 Meadowglen Lane

City, State, Zip Code: Houston, Texas, 77042

Phone No.: 713-784-4500 Ext.:

Fax No.:

E-mail Address: vlara@ehra.team

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

The property is owned by Forestar (USA) Real Estate Group 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 will discharge from the WWTP via storm sewer; thence to August Trails Detention Pond 2; thence to Fairchilds Creek; thence to Big Creek; thence to Brazos River Below Navasota River in Segment No. 1202 of the Brazos River Basin

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

Construction of a wastewater treatment plant including approximately 5.16 acres of cleared land formerly used as farm fields. The placement of above-ground foundations of crushed stone pads, some concrete foundations for blowers and chemical tanks, approximately 45 feet of excavation for one on-site lift station, and a crushed stone access road.

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

The existing land was farm fields gone fallow; it has been cleared and spoil from a nearby detention pond excavation was added to the site. The site is currently unvegetated.

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:

There are currently no buildings or structures on the property. Construction of the WWTP is proposed to be completed in September 2026.

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

The proposed WWTP will be located on a 5.164 acre reserve within a 272-acre piece of property which was formerly farm fields. Forestar (USA) Real Estate Group Inc is the proposed developer of the land.

**Attachment 10 – Process Flow Diagram**  
(Corresponds to Technical Report 1.0, Section 2, Page 2 of 66)

## NOTES

1. AREAS AND VOLUMES SHOWN ARE EQUAL TO OR GREATER THAN MINIMUMS USING CURRENT CHAPTER 217 T.C.E.Q. DESIGN CRITERIA.
2. THE PROPOSED PROCESS UTILIZES THE COMPLETE-MIX MODIFICATION OF THE ACTIVATED SLUDGE PROCESS.
3. AUTHORIZED TO DISCHARGE PER TCEQ PERMIT NO. WQ0014219001
4.  $Q_A$  = DAILY AVERAGE FLOW = 0.30 MGD = 0.46 CFS
5.  $Q_P$  = 2-HOUR PEAK FLOW = 1.20 MGD
6.  $P = 4.00 * Q_A$

<u>VESSEL DESIGNATION</u>	<u>DIMENSIONS</u>	<u>VOLUME</u>
PROPOSED:		
Aeration (3 Basins)	52.0 ft. long x 12.0 ft. wide x 10.67 ft. SWD, EACH	19,974 ft <sup>3</sup>
Digester (2 Basins)	52.0 ft. long x 12.0 ft. wide x 10.67 ft. SWD, EACH	13,316 ft <sup>3</sup>
Clarifier (1 Unit)	38.0 ft. diameter x 10.67 ft. SWD, EACH	12,097 ft <sup>3</sup>
Chlorine Contact Basin (1 Unit)	32.0 ft. long x 12.0 ft. wide x 9.0 ft. SWD, EACH	3,456 ft <sup>3</sup>

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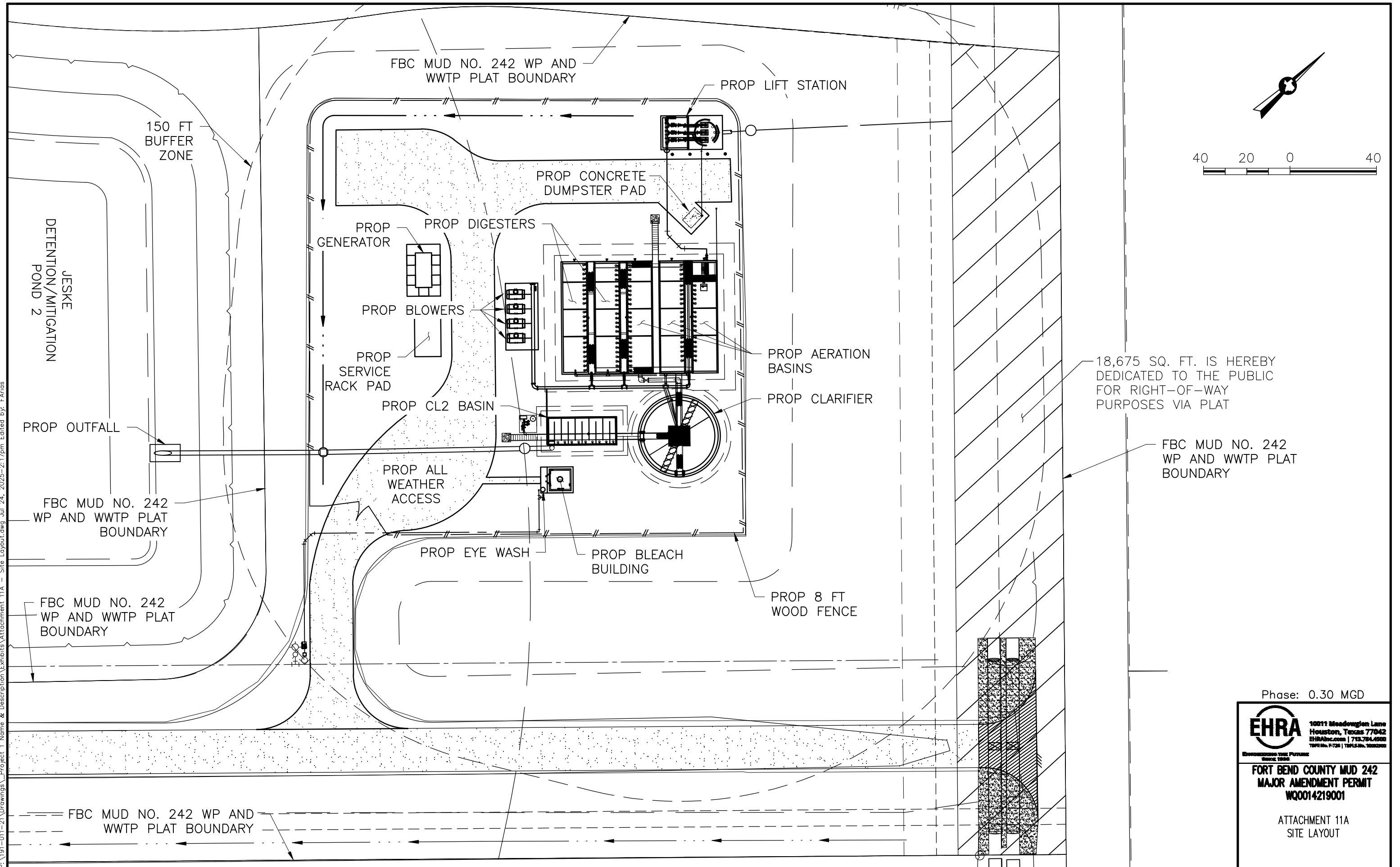
**FORT BEND COUNTY MUD 242  
MAJOR AMENDMENT PERMIT  
WQ0014219001**

ATTACHMENT 10  
PROCESS FLOW DIAGRAM

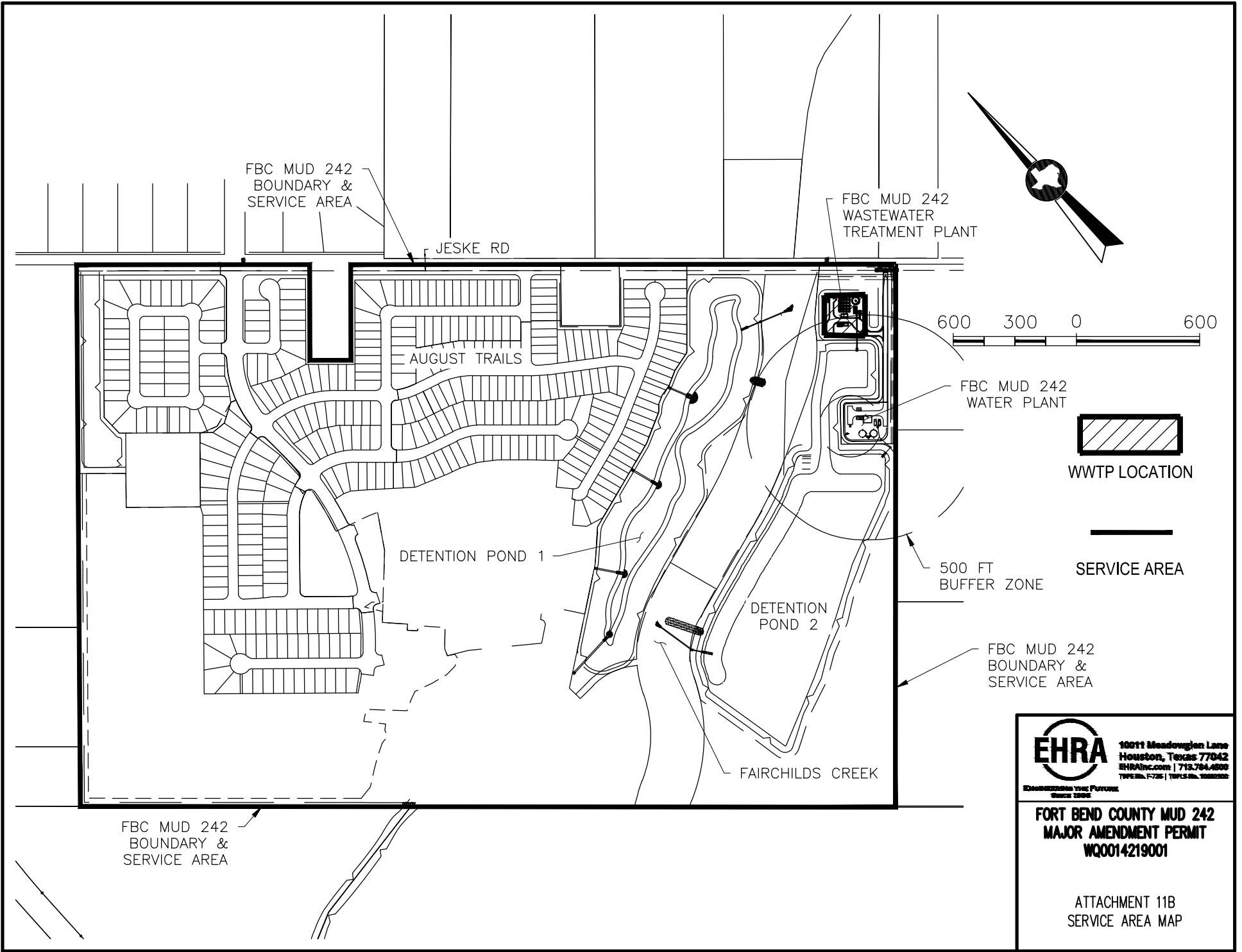


**Attachment 11A – Site Drawing**  
(Corresponds to Technical Report 1.0, Section 3, Page 2 of 66)

P:\191-011-21\Drawings\Project 1 Name & Description\Exhibits\Attachment 11A - Site Layout.dwg Jul 24, 2025-2:17pm Edited by: Farias



**Attachment 11B – Service Area Map**  
(Corresponds to Technical Report 1.0, Section 3, Page 2 of 66)



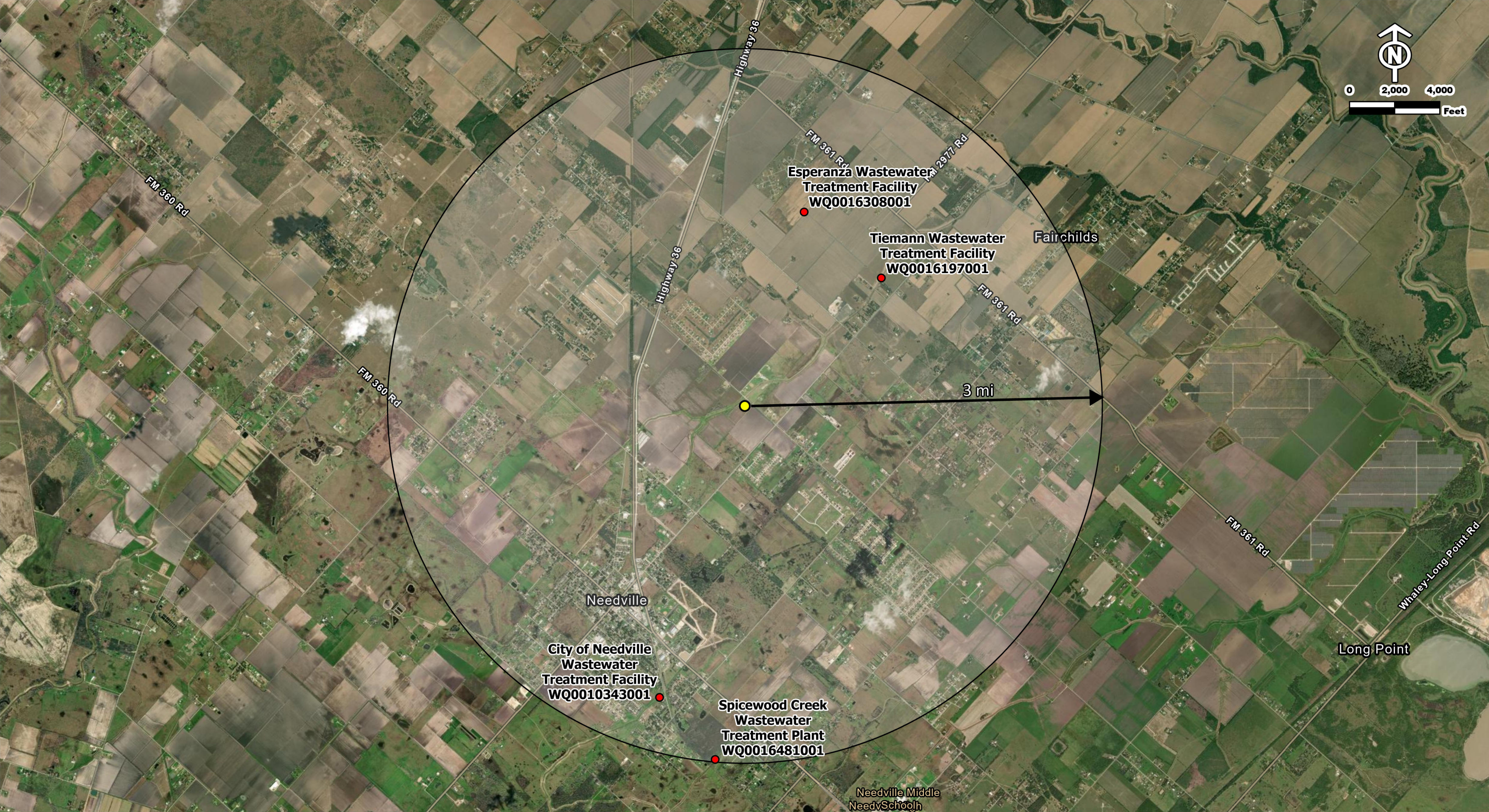
**Attachment 12A – List of WWTPs within 3 Mile Radius**  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)

**List of WWTPs within 3 Mile Radius**

No	Customer Name	WWTP Name	TPDES PERMIT NO
1	City of Needville	City of Needville Wastewater Treatment Facility	WQ0010343001
2	Fort Bend County MUD 256	Esperanza Wastewater Treatment Facility	WQ0016308001
3	Undine Texas Environmental LLC	Tiemann Wastewater Treatment Facility	WQ0016197001
4	Utilities Investment Company, Inc.	Spicewood Creek Wastewater Treatment Plant	WQ0016481001

**Attachment 12B – Map of WWTPs within 3 Mile Radius**  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)





**Fort Bend County MUD No. 242 WWTP Major Amendment TPDES Permit**

**Attachment 12B WWTP's Within 3 Mile Radius**

- **Wastewater Treatment Plants**
- **Fort Bend County MUD No. 242 WWTP**
- **3 Mile Buffer**



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**Attachment 12C – Capacity Request Correspondence**  
(Corresponds to Technical Report 1.1, Section 1.B.3, Page 20 of 66)



TBPE No. F-726  
TBPLS No. 10092300

January 9, 2025

**Via Certified Mail Article No. 9489 0090 0027 6550 9047 19**

Ms. Cynthia Sullivan, City Secretary  
City of Needville  
P.O. Box 527  
Needville, Texas 77461

Re: Fort Bend County Municipal Utility District No. 242  
Proposed 0.30 MGD Wastewater Treatment Plant (WWTP)  
Major Amendment Permit Application  
EHRA Project No. 191-011-21

Dear Ms. Sullivan:

Fort Bend County Municipal Utility District No. 242 is applying for a major amendment to an existing TPDES wastewater discharge permit with an ultimate flow of 0.30 million gallons per day (MGD), to serve a new residential subdivision. As part of the permitting process, the Texas Commission on Environmental Quality (TCEQ) requires each applicant to contact all wastewater treatment plant owners within a three (3) mile radius to determine if treatment and collection capacity is available.

Please indicate below whether or not the City of Needville Wastewater Treatment Facility (WQ0010343001) has sufficient treatment and collection system capacity to accept this additional flow.

☐ **YES**, our WWTP can accept the additional 0.30 MGD

☒ **NO**, our WWTP cannot accept the additional 0.30 MGD

  
Name

1-17-2025  
Date

Your timely response to this matter is greatly appreciated. Please sign and date this letter and return to EHRA via the enclosed return envelope or via email at [vlara@ehra.team](mailto:vlara@ehra.team). Please feel free to contact me at (713) 784-4500, if you have any questions or concerns.

Sincerely,



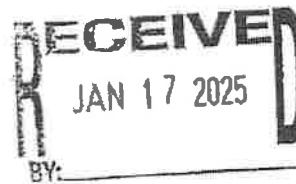
Valerie Lara, P.E.  
Assistant Project Manager  
Water and Wastewater Facilities

VL/FA/ol

cc: Paul Anderson, P.E. – Firm  
Greg G. Garner, P.E. – Firm  
Francisco Arias, E.I.T. – Firm



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TBPE No. F-726  
TBPLS No. 10092300

January 9, 2025

**Via Certified Mail Article No. 9489 0090 0027 6550 9047 26**

Mr. Curtis Bernard Lampley, President  
Fort Bend County MUD No. 256  
3200 Southwest Freeway, Suite 2600  
Houston, Texas 77027

Re: Fort Bend County Municipal Utility District No. 242  
Proposed 0.30 MGD Wastewater Treatment Plant (WWTP)  
Major Amendment Permit Application  
EHRA Project No. 191-011-21

Dear Mr. Lampley:

Fort Bend County Municipal Utility District No. 242 is applying for a major amendment to an existing TPDES wastewater discharge permit with an ultimate flow of 0.30 million gallons per day (MGD), to serve a new residential subdivision. As part of the permitting process, the Texas Commission on Environmental Quality (TCEQ) requires each applicant to contact all wastewater treatment plant owners within a three (3) mile radius to determine if treatment and collection capacity is available.

Please indicate below whether or not the Esperanza Wastewater Treatment Facility (WQ0016308001) has sufficient treatment and collection system capacity to accept this additional flow.

☐ **YES**, our WWTP can accept the additional 0.30 MGD

☒ **NO**, our WWTP cannot accept the additional 0.30 MGD

  
Name

\*Juliana Bihlet, District Engineer,  
FBC MUD No. 256

1/23/25

Date

Your timely response to this matter is greatly appreciated. Please sign and date this letter and return to EHRA via the enclosed return envelope or via email at [vlara@ehra.team](mailto:vlara@ehra.team). Please feel free to contact me at (713) 784-4500, if you have any questions or concerns.

Sincerely,



Valerie Lara, P.E.  
Assistant Project Manager  
Water and Wastewater Facilities

VL/FA/ol

cc: Paul Anderson, P.E. – Firm  
Greg G. Garner, P.E. – Firm  
Francisco Arias, E.I.T. – Firm



TBPE No. F-726  
TBPLS No. 10092300

January 9, 2024

**Via Certified Mail Article No. 9489 0090 0027 6550 9047 33**

Mrs. Carey A. Thomas, Sr. Vice President  
Undine Texas Environmental LLC  
17681 Telge Road  
Cypress, Texas 77429

Re: Fort Bend County Municipal Utility District No. 242  
Proposed 0.30 MGD Wastewater Treatment Plant (WWTP)  
Major Amendment Permit Application  
EHRA Project No. 191-011-21

Dear Mrs. Thomas:

Fort Bend County Municipal Utility District No. 242 is applying for a major amendment to an existing TPDES wastewater discharge permit with an ultimate flow of 0.30 million gallons per day (MGD), to serve a new residential subdivision. As part of the permitting process, the Texas Commission on Environmental Quality (TCEQ) requires each applicant to contact all wastewater treatment plant owners within a three (3) mile radius to determine if treatment and collection capacity is available.

Please indicate below whether or not the Tiemann Wastewater Treatment Facility (WQ0016197001) has sufficient treatment and collection system capacity to accept this additional flow.

- ☐ **YES**, our WWTP can accept the additional 0.30 MGD
- ☐ **NO**, our WWTP cannot accept the additional 0.30 MGD

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

Your timely response to this matter is greatly appreciated. Please sign and date this letter and return to EHRA via the enclosed return envelope or via email at [vlara@ehra.team](mailto:vlara@ehra.team). Please feel free to contact me at (713) 784-4500, if you have any questions or concerns.

Sincerely,

Valerie Lara, P.E.  
Assistant Project Manager  
Water and Wastewater Facilities

VL/FA/ol

cc: Paul Anderson, P.E. – Firm  
Greg G. Garner, P.E. – Firm  
Francisco Arias, E.I.T. – Firm



TBPE No. F-726  
TBPLS No. 10092300

January 9, 2025

**Via Certified Mail Article No. 9489 0090 0027 6550 9047 40**

Mr. Shannon Marsh, President  
Utilities Investment Company, Inc.  
P.O. Box 279  
New Waverly, Texas 77358

Re: Fort Bend County Municipal Utility District No. 242  
Proposed 0.30 MGD Wastewater Treatment Plant (WWTP)  
Major Amendment Permit Application  
EHRA Project No. 191-011-21

Dear Mr. Marsh:

Fort Bend County Municipal Utility District No. 242 is applying for a major amendment to an existing TPDES wastewater discharge permit with an ultimate flow of 0.30 million gallons per day (MGD), to serve a new residential subdivision. As part of the permitting process, the Texas Commission on Environmental Quality (TCEQ) requires each applicant to contact all wastewater treatment plant owners within a three (3) mile radius to determine if treatment and collection capacity is available.

Please indicate below whether or not the Spicewood Creek WWTP (WQ0016481001) has sufficient treatment and collection system capacity to accept this additional flow.

- ☐ **YES**, our WWTP can accept the additional 0.30 MGD
- ☐ **NO**, our WWTP cannot accept the additional 0.30 MGD

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date

Your timely response to this matter is greatly appreciated. Please sign and date this letter and return to EHRA via the enclosed return envelope or via email at [vlara@ehra.team](mailto:vlara@ehra.team). Please feel free to contact me at (713) 784-4500, if you have any questions or concerns.

Sincerely,

Valerie Lara, P.E.  
Assistant Project Manager  
Water and Wastewater Facilities

VL/FA/ol

cc: Paul Anderson, P.E. – Firm  
Greg G. Garner, P.E. – Firm  
Francisco Arias, E.I.T. – Firm

**Attachment 13 – Design Calculations**  
(Corresponds to Technical Report 1.1, Section 4, Page 22 of 66)

## Design Calculations

### Fort Bend County MUD 242 Wastewater Treatment Plant

The Fort Bend County MUD 242 WWTP will be built in one phase and serve a connection count of 1,000 homes near Needville, TX, just south of Jeske Rd. These design calculations have been prepared as part of the major permit application for this new facility.

#### Influent Characteristics

Influent Quality Characteristics - The raw sewage characteristics used for design purposes are as follows:

<u>Parameter</u>	<u>Concentration</u>
BOD <sub>5</sub>	250 mg/L
TSS	250 mg/L
NH <sub>3</sub> -N	60 mg/L

Influent Flow Characteristics - The hydraulic design of the facility must ensure that the facility will operate under the most extreme conditions anticipated. The facility process and hydraulic design for this facility are as follows:

Table 1 – Phase 1 Design Calculations

<b>Flow</b>	<b>Gallons Per Day</b>	<b>Gallons Per Minute</b>
Flow ( $Q_{avg}$ )	300,000	208
Peak 2-Hour Flow ( $Q_{pk}$ )	1,200,000	833

Process Design - The treatment facility will be designed to produce an effluent quality in compliance with the proposed permitted parameters of:

CBOD<sub>5</sub> = 10 mg/L; TSS = 15 mg/L; NH<sub>3</sub>-N = 2 mg/L; DO = 4.0 mg/L;

Cl<sub>2</sub> Residual = 1 to 4 mg/L after 20 minutes detention time at peak flow.

In order to achieve the required removal efficiencies, the activated sludge process operated in the complete mix mode with nitrification has been chosen. The 7-day low reactor temperature is 20°. The anticipated operating ranges for MLSS and RAS are 3,000 mg/L and 7,500 mg/L, respectively. Other assumptions include a single stage aerobic digester with supernatant decant and digester solids concentration of 2%.

#### Treatment Units

The Aeration Basins will consist of equally sized tanks with dimensions of 52 feet long by 12 feet wide with a side water depth of 10.67 feet. The WWTP will consist of three (3) tanks. See Table 2 for organic loading rates and total volumes.

Table 2 – Aeration Basins

Aeration Basin	TCEQ Requires	Actual Provided
Organic Loading Rate (lbs/day/1000 cf)	35 (max)	31.34
Total Aeration Volume (cf)	17,886	19,974

The Clarifier will be sized according to Table 3. The WWTP will consist of one (1) Clarifier.

Table 3 – Clarifier

Clarifier	TCEQ Requires	Actual Provided
Surface Loading Rate ( $Q_{pk}$ ) (gallons/day/sq ft)	1200 (max)	1,058
Detention Time ( $Q_{pk}$ ) (hr)	1.8	1.81
Surface Area (sq ft)	1,000	1,134
Volume (cf)*	12,097	12,097
Side Water Depth (ft)	10	10.67
Maximum Weir Loading ( $Q_{pk}$ ) (gallons/day/ft)	20,000	10,610
Diameter (ft)	38	38
Weir Length (ft)	113	113

\* Minimum volume to meet 1.8 hour detention time in clarifier

The Aerobic Digesters will consist of equally sized tanks with dimensions of 52 feet long by 12 feet wide with a side water depth of 10.67 feet. The WWTP will consist of two (2) tanks. See Table 4 for sizing details.

Table 4 – Aerobic Digesters

Aerobic Digester	TCEQ Requires	Actual Provided
MCRT at 20° C (days)	40 (min)	42.17
WAS Solids Production (ppd)	Not Specified	588
Digested Sludge Solids production (ppd)	Not Specified	394
Required Solids in Digester (lbs)	Not Specified	24,796
Digester Volume (cu ft)	Not Specified	13,316

The Chlorine Contact Chamber will be sized for the WWTP consisting of one (1) tank. See Table 5 for sizing information.

Table 5 – Chlorine Contact Chamber

Chlorine Contact Chamber	TCEQ Requires	Actual Provided
Detention Time ( $Q_{pk}$ ) (minutes)	20	31.03
Volume ( $Q_{pk}$ ) (cu ft)	2,227	3,456



## Air Requirements

Table 6 shows the air requirements for the Aeration Basin, Digester, and Chlorine Contact Basin.

Table 6 – Air Requirements

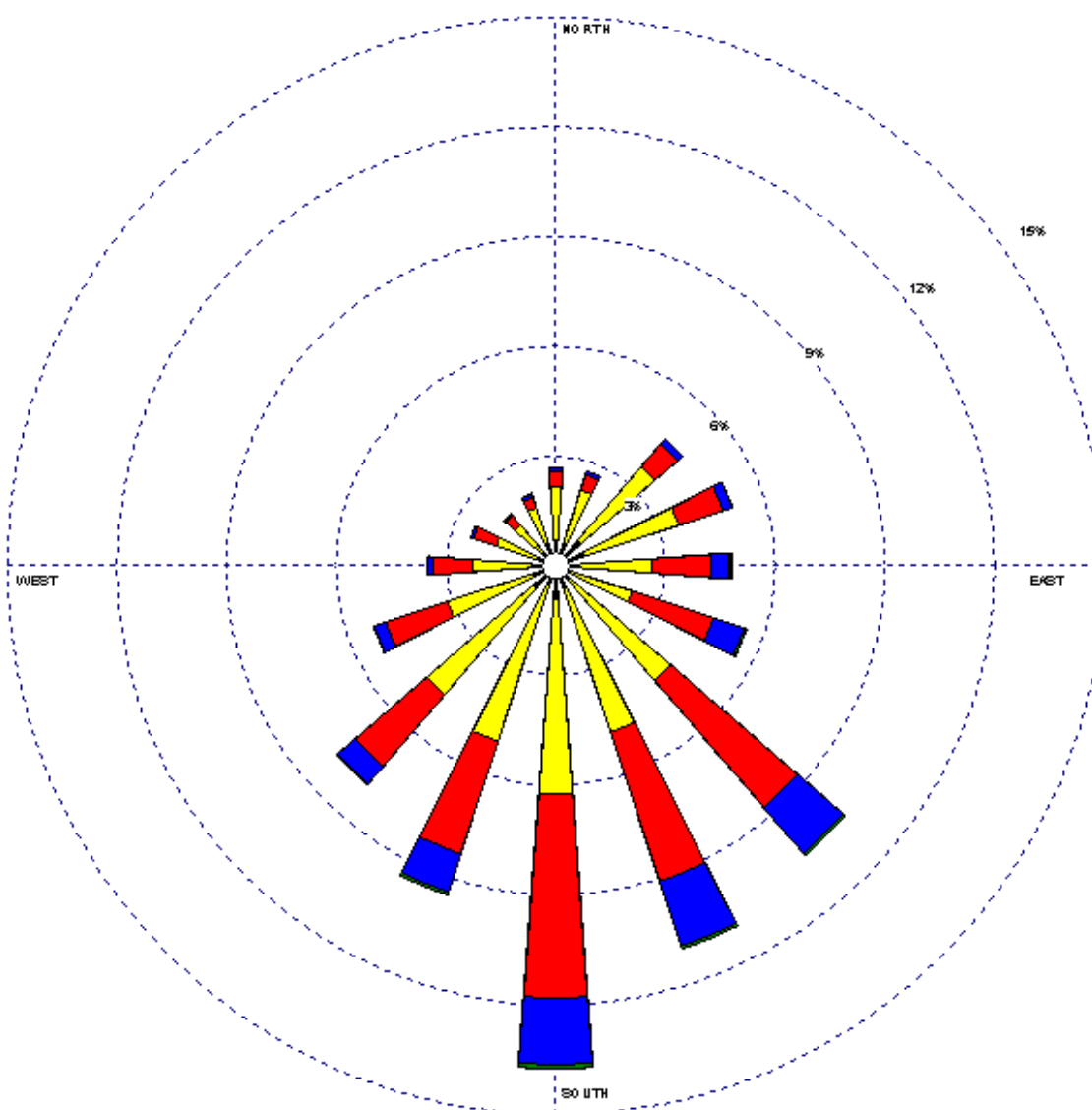
<b>WWTP Units</b>	<b>Air Requirements</b>
Aeration Basin	2,172
Digester	266
Chlorine Contact Basin	80
Air Lifts	80
Air Required (SCFM)	2,598
Air Proposed (SCFM)	2,700

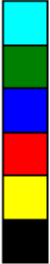
## **Attachment 14 – Wind Rose**

(Corresponds to Technical Report 1.1, Section 5.B, Page 23 of 66)

## WIND ROSE PLOT

Station #12960 - HOUSTON/INTERCONTINENTAL ARPT, TX



<b>Wind Speed (m/s)</b> 	<b>MODELER</b> Sara West	<b>DATE</b> 8/29/2002	<b>COMPANY NAME</b> USDA-ARS
	<b>DISPLAY</b> Wind Speed	<b>UNIT</b> m/s	<b>COMMENTS</b>
	<b>AVG. WIND SPEED</b> 3.45 m/s	<b>CALM WINDS</b> 6.88%	
	<b>ORIENTATION</b> Direction (blowing from)	<b>PLOT YEAR-DATETIME</b> 1961 Jul 1 - Jul 31 Midnight - 11 PM	

WPPC Draw 3.3 by Caldes Environmental Software - www.caldes-environmental.com

**Attachment 15 – Solids Management Plan**  
(Corresponds to Technical Report 1.1, Section 7, Page 23 of 66)

## Sludge Management Plan for Proposed FBC 242 WWTP

Influent Design Flow:	0.30 MGD
Influent BOD Concentration:	250 mg/L
Aerobic Digester Volume:	cu. ft.      gal 13,316      99,604
Aeration Basin MLSS:	2,000 to 3,000 mg/L

Table 1 - Sludge Production

<b>Solids Generated</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Pounds Influent BOD5	626	469	313	156
Pounds of digested dry sludge produced*	219	164	110	55
Pounds of wet sludge produced	10953	8215	5477	2738
Gallons of wet sludge produced	1306	979	653	326

\* Assuming 0.35 pounds of digested dry sludge produced per pound of influent BOD5 at average temperatures and 2.0% solids concentration in the digester.

Sludge will be wasted from the RAS flow stream to the aerobic digester. Sludge solids will be stabilized in the digester; supernatant will be decanted from the digester and returned to the facility headworks for treatment.

Table 2 - Sludge Removal Schedule

<b>Removal Schedule (Days)</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Days between Sludge Removal	76	102	153	305

Liquid digested sludge will be removed from the digester for disposal on a regular basis as required. The calculated mean cell residence time (MCRT) for the digester storage volume of 99,604 gal will be approximately 76 days at 100% capacity and annual average digested sludge production of 219 pounds per day (ppd). The digested sludge will be transported by a registered hauler to be determined.

CHAMBERS VIRGINIA  
PO BOX 203  
NEEDVILLE TX 77461

MATULA ELAINE  
8430 OSCEOLA LN  
WEST COLUMBIA TX 77486

JESKE VIRGIE  
2721 CALVIN RD  
RICHMOND TX 77469

SCHROEDER LEE  
400 COUNTRY PLACE WEST DR  
BRENHAM TX 77833

FORESTAR USA REAL ESTATE GROUP INC  
2221 E LAMAR BLVD  
ARLINGTON TX 76006

ROCHA HECTOR JR & REYNALDO HUERTA  
440 COBIA DR STE 1903  
KATY TX 77494

FILLING STATION MINISTRIES INC  
C/O PASTOR DONALD BRDECKA PO  
BOX 1506  
NEEDVILLE TX 77461

BASSETT CLEM ETAL  
4346 FM 531  
YOAKUM TX 77995

HARTFIED ALTON & JAN  
8010 JESKE RD  
NEEDVILLE TX 77461

JOHNSON NORVILAN  
108 MORTON ST  
RICHMOND TX 77469

SABLATURA RONNIE E & KATHIE D  
P O BOX 1644  
NEEDVILLE TX 77461

ATKINSON MARK & MARISSA  
PO BOX 427  
NEEDVILLE TX 77461

QABID LLC  
2318 BRITTON RIDGE DR  
KATY TX 77494

# 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 MODIFICACION

**PERMISO NO. WQ0014219001**

**SOLICITUD.** El Distrito Municipal de Servicios Públicos No. 242 del Condado de Fort Bend, 3200 Southwest Freeway, Suite 260, Houston, Texas 77027, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0014219001 (EPA I.D. No. TX0123595) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar el movimiento de la locación del desagüe hacia un estanque de detención que descarga al Arroyo Fairchilds; en adición, solamente una fase del permiso es necesaria. La planta está ubicada en 8712 ½ Jeske Rd, cerca de Needville en el Condado de Fort Bend, Texas 77461. La ruta de descarga es del sitio de la planta a un estanque de detención: desde allí al Arroyo Fairchilds; desde allí al Arroyo Grande; desde allí al Río Brazos Debajo del Río Navasota. La TCEQ recibió esta solicitud el 11 de Agosto de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Bibliotecas de Fort Bend County - Albert-George Branch 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=-95.819244,29.422778&level=18>

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

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

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

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

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

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

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

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

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



solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue 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](http://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 Municipal de Servicios Públicos No. 242 del Condado de Fort Bend a la dirección indicada arriba o llamando a Ms. Valerie Lara, P.E., EHRA Engineering al 713-784-4500.

Fecha de emisión:



# TCEQ Core Data Form

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

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>Major Amendment to Permit</b>	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 606261634		RN 102342839

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Fort Bend County Municipal Utility District 242					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits) 32096665669		<b>9. Federal Tax ID</b> (9 digits)	
				<b>10. DUNS Number</b> (if applicable)	
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<b>12. Number of Employees</b>				<b>13. Independently Owned and Operated?</b>	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>		3200 Southwest Fwy, Suite 2600			
City		Houston		State	TX
ZIP		77027		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)				<b>17. E-Mail Address</b> (if applicable)	
				cmiller@abhr.com	

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 713 ) 860-6492		(   ) -

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
Fort Bend County MUD 242 Wastewater Treatment Plant								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	8712 1/2 Jeske Rd							
	<b>City</b>	Needville	<b>State</b>	TX	<b>ZIP</b>	77461	<b>ZIP + 4</b>	
<b>24. County</b>	Fort Bend County							

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

<b>25. Description to Physical Location:</b>									
<b>26. Nearest City</b>					<b>State</b>				<b>Nearest ZIP Code</b>
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>									
<b>27. Latitude (N) In Decimal:</b>		29.422778			<b>28. Longitude (W) In Decimal:</b>		-95.819244		
Degrees	Minutes	Seconds		Degrees	Minutes	Seconds			
29	25	22		-95	49	9.28			
<b>29. Primary SIC Code</b>		<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>		<b>32. Secondary NAICS Code</b>			
(4 digits)		(4 digits)		(5 or 6 digits)		(5 or 6 digits)			
4952				221320					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)									
Wastewater Treatment									
<b>34. Mailing Address:</b>									
	3200 Southwest Fwy, Suite 2600								
	<b>City</b>	Houston	<b>State</b>	TX	<b>ZIP</b>	77027	<b>ZIP + 4</b>		
<b>35. E-Mail Address:</b>									
<b>36. Telephone Number</b>			<b>37. Extension or Code</b>			<b>38. Fax Number (if applicable)</b>			
(   ) -						(   ) -			

August 28, 2025

**Via Email**

**Francesca.Findlay@tceq.texas.gov**

Francesca Findlay  
Applications Review and Processing Team (MC-148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, Texas 78753

Re: Response to NOD for Major Amendment  
Application to Amend TPDES Permit No. WQ0014219001  
TPDES Major Amendment Application  
EHRA Project No. 191-011-21

Dear Ms. Findlay:

We received your email dated August 13, 2025, requesting additional information. We offer the following responses:

**Comment No. 1:** Please resubmit the landowner's list media using Microsoft Word software, in Avery label 5160 format (3 columns across, 10 columns down for a total of 30 labels per page.) Names and addresses must be typed in the format indicated below according to US Postal Service guidelines for machine readability. Each letter in the name and address must be capitalized, contain no punctuation, and the appropriate two-character abbreviation must be used for the state. Each entity listed must be blocked and spaced consecutively as shown below. Please submit revised labels.

**Response No. 1:** The revised landowner's list has been sent via email as a separate Word document in Avery label 5160 format.

**Comment No. 2:** Core Data Form, Section II, item 17: Please provide an email address.

**Response No. 2:** The core data form (CDF) has been updated as requested, please see CDF sheet 1, attached.

**Comment No. 3:** Core Data Form, Section II, item 18: Please provide a phone number.

**Response No. 3:** The CDF has been updated as requested, please see CDF sheet 2, attached.

**Comment No. 4:**

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 No. 4:**

We have the following comments on the NORI:

- Paragraph 1, line 5, after "In addition only 1 phase" please add "of the permit", for clarity.
- Paragraph 1, line 8, please add "a detention pond; thence to" before Fairchilds Creek
- Paragraph 1, line 18, please replace the provided link with the correct link, "<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.819244,29.422778&level=18>". The link provided in the NORI showed the outfall of the previous permit. The corrected link above shows the location of the facility.

**Comment No. 5:**

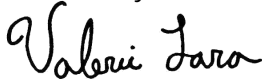
The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require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

**Response No. 5:**

The Spanish NORI has been included in this response in Microsoft Word format.

We hope these responses will allow the permitting process to proceed. Should you require additional information or have any questions, please contact me at, 713-784-4500 or via email at [vlara@ehra.team](mailto:vlara@ehra.team).

Sincerely,



Valerie Lara, P.E.

Project Manager

Water and Wastewater Management

cc: Francisco Arias, E.I.T. - Firm



ENGINEERING THE FUTURE  
SINCE 1936

EHRA Engineering | 10011 Meadowglen Lane | Houston, Texas 77042 | t 713.784.4500 | f 713.784.4577

[www.EHRA.team](http://www.EHRA.team)

## Francesca Findlay

---

**From:** Francisco Arias, E.I.T. <farias@ehra.team>  
**Sent:** Thursday, August 28, 2025 11:35 AM  
**To:** Francesca Findlay; Valerie Lara, P.E.  
**Subject:** RE: WQ0014219001 : Fort Bend County Municipal Utility District No. 242  
**Attachments:** WQ0014219001 NOD Response Letter 2025-08-28.pdf; Municipal Discharge Amendment Spanish NORI\_FBC 242 WWTP\_rev.docx; WQ0014219001 Core Data Form\_FBC 242 WWTP REV.pdf; FBC 242 WWTP MAJOR AMENDMENT\_ Attachment 6C Mailing Labels.docx

Good morning, Francesca,

We have addressed the NOD and created a response for the comments. Please see the attached Response letter and attachments.

Thank you,

### Francisco Arias, E.I.T.

Engineer III

10011 Meadowglen Lane  
Houston, Texas 77042

Direct: 713.352.7009



TBPE No. F-726 | TBPLS No. 10092300

---

**From:** Francesca Findlay <Francesca.Findlay@tceq.texas.gov>  
**Sent:** Wednesday, August 13, 2025 3:34 PM  
**To:** Valerie Lara, P.E. <vlara@ehra.team>  
**Cc:** Francisco Arias, E.I.T. <farias@ehra.team>  
**Subject:** FW: WQ0014219001 : Fort Bend County Municipal Utility District No. 242

Dear Ms. Lara:

The attached Notice of Deficiency letter sent on August 13, 2025, requesting additional information needed to declare the application administratively complete. Please send the complete response to my attention August 28, 2025.

Thank you,

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



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

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

# AFFECTED LANDOWNERS LIST

ID	Current Owner	Address	City	State	ZIP
1	Chambers Virginia	PO Box 203	Needville	TX	77461-0203
2	Matula Elaine	8430 Osceola LN	West Columbia	TX	77486-7136
3	Jeske Virgie	2721 Calvin RD	Richmond	TX	77469-8412
4	Schroeder Lee	400 COUNTRY PLACE WEST DR	BRENHAM	TX	77833-1693
5	Forestar USA Real Estate Group Inc	2221 E Lamar BLVD	Arlington	TX	76006-7458
6	Rocha Hector Jr & Reynaldo Huerta	5927 Foerster School RD	Needville	TX	77461-9650
7	Filling Station Ministries Inc	c/o Pastor Donald Brdecka PO Box 1506	Needville	TX	77461-1506
8	Bassett Clem etal	4346 FM 531	YOAKUM	TX	77995-4857
9	Hartfied Alton & Jan	8010 Jeske RD	Needville	TX	77461-7236
10	Johnson Norvilan	108 Morton ST	Richmond	TX	77469-3115
11	Sablatura Ronnie E & Kathie D	P O Box 1644	Needville	TX	77461-1644
12	Atkinson Mark & Marissa	PO Box 427	Needville	TX	77461-0427
13	Qabid LLC	2318 Britton Ridge DR	Katy	TX	77494-3936