



# 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, el Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
  - Inglés
  - Idioma alternativo (español)
3. Solicitud original

## Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

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

#### DOMESTIC WASTEWATER

*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 No. 210 (2. Enter Customer Number here (i.e., CN6#####). ) proposes to operate Fort Bend County Municipal Utility District No. 210 Wastewater Treatment Plant 5. Enter Regulated Entity Number here (i.e., RN1#####). an activated sludge plant that operates in single stage nitrification mode. The facility will be located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection, in Rosenberg, Fort Bend County, Texas 77471.

This is a new permit application to discharge 1,125,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and *Escherichia coli*. Domestic Wastewater will be treated by an activated sludge process plant and the treatment units will include aeration basins, clarifiers, digester basins, and chlorine contact basins .

## **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.*

Distrito Municipal de Servicios Públicos No. 210 del Condado de Fort Bend (2. Ingrese aquí el número de cliente (es decir, CN6#####). propone operar el Distrito Municipal de Servicios Públicos No. 210 de Aguas Residuales del Condado de Fort Bend Planta de Tratamiento 5. Ingrese aquí el Número de Entidad Regulada (es decir, RN1#####). Una planta de lodos activados que opera en modo de nitrificación de una sola etapa. La instalación estará ubicada aproximadamente a 4,700 pies al este de en la intersección de Beadle Lane y Stratman Road, en Rosenberg, condado de Fort Bend, Texas 77471.

Esta es una nueva solicitud de permiso para descargar 1,125,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Doméstico Las aguas residuales serán tratadas mediante una planta de proceso de lodos activados y las unidades de tratamiento incluirán cubetas de aireación, clarificadores, cubetas digestoras y cubetas de contacto con cloro.

## **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.*

Distrito Municipal de Servicios Públicos No. 210 del Condado de Fort Bend (2. Ingrese aquí el número de cliente (es decir, CN6#####). propone operar el Distrito Municipal de Servicios Públicos No. 210 de Aguas Residuales del Condado de Fort Bend Planta de Tratamiento 5. Ingrese aquí el Número de Entidad Regulada (es decir, RN1#####). Una planta de lodos activados que opera en modo de nitrificación de una sola etapa. La instalación estará ubicada aproximadamente a 4,700 pies al este de en la intersección de Beadle Lane y Stratman Road, en Fulshear, condado de Fort Bend, Texas 77406.

Esta es una nueva solicitud de permiso para descargar 300,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Doméstico Las aguas residuales serán tratadas mediante una planta de proceso de lodos activados y las unidades de tratamiento incluirán cubetas de aireación, clarificadores, cubetas digestoras y cubetas de contacto con cloro.



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

**PROPOSED PERMIT NO. WQ0016508001**

**APPLICATION.** Fort Bend County Municipal Utility District No. 210, c/o Allen Boone Humphries Robinson LLP, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016508001 (EPA I.D. No. TX0145807) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,125,000 gallons per day. The domestic wastewater facility will be located at approximately 4,700 feet east of the intersection of Beadle Lane and Stratman Road, in the city of Rosenberg, in Fort Bend County, Texas 77471. The discharge route will be from the plant site to a detention basin, thence to a mitigation channel, thence to Brazos River. TCEQ received this application on March 22, 2024. The permit application will be available for viewing and copying at Fort Bend County – George Memorial Library, Front Desk, 1001 Golfview Drive, Richmond, Texas prior to the date this notice is published in the newspaper. 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=-95.84388,29.620278&level=18>

**ALTERNATIVE LANGUAGE NOTICE.** Alternative language notice in Spanish is available at <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>.

**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. 210 at the address stated above or by calling Ms. Elizabeth Byrd, P.E., Project Manager, at 713-488-8396.

Issuance Date: May 8, 2024

# Comisión de Calidad Ambiental del Estado de Texas



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

### PERMISO PROPUESTO NO. WQ0016508001

**SOLICITUD.** Distrito Municipal de Servicios Públicos No. 210 del Condado de Fort Bend, c/o Allen Boone Humphries Robinson LLP, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016508001 (EPA I.D. No. TX 0145807) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,125,000 galones por día. La planta está ubicada aproximadamente a 4,700 pies al este de en la intersección de Beadle Lane y Stratman Road, en el Condado de Fort Bend, Rosenberg, Texas 77471. La ruta de descarga será desde el sitio de la planta hasta una cuenca de detención, de allí a un canal de mitigación, y de allí al río Brazos. La TCEQ recibió esta solicitud el 22 de marzo de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Fort Bend County – George Memorial Library, recepción, 1000 Golfview Drive, Richmond, Texas antes de la fecha de publicación de este aviso en el periódico. 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=-95.84388,29.620278&level=18>

**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 todos 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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el 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.

**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. 210 del Condado de Fort Bend a la dirección indicada arriba o llamando a Elizabeth Byrd, P.E., Project Manager al 713-488-8396.

Fecha de emisión 8 de mayo de 2024



March 21, 2024

Executive Director  
Applications Review and Processing Team (MC148)  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin, Texas 78753

Re: TPDES New Permit Application  
Fort Bend County Municipal Utility District No. 210  
Wastewater Treatment Plant

To Whom It May Concern,

On behalf of Fort Bend County Municipal Utility District No. 210, BGE, Inc. is submitting one (1) original and three (3) copies of a New Permit application for the referenced project. This application is enclosed for your review and approval.

Also, enclosed is a copy of the application fee payment in the amount of \$2,050.00, which is being sent under separate cover to the Revenues Section.

Should you have any questions or require additional information, please contact me at ebyrd@bgeinc.com. I can be reached by phone at 713-488-8396.

Thank you,

  
Elizabeth Byrd, P.E.  
Project Manager

Enclosures



00 16 50 8001

Serving. Leading. Solving.™

BGE, Inc. • 10777 Westheimer Road, Suite 400 • Houston, Texas 77042 • 281-558-8700 • www.bgeinc.com

**TPDES New Permit Application**

---

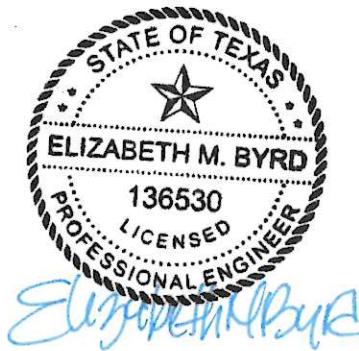
**Fort Bend County Municipal Utility District No. 210**  
**Wastewater Treatment Plant**

**March 2024**

**TPDES New Permit Application**

---

**Fort Bend County Municipal Utility District No. 210  
Wastewater Treatment Plant**



---

**Elizabeth Byrd, P.E.  
Project Manager  
TBPE Registration No. F-1046**

**BGE Job No. 12260-00**



**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 checked="" type="checkbox"/>	<input 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"/>			

RECEIVED  
MAR 22 2024  
Water Quality Applications Team

For TCEQ Use Only

Segment Number \_\_\_\_\_ County \_\_\_\_\_  
Expiration Date \_\_\_\_\_ Region \_\_\_\_\_  
Permit Number \_\_\_\_\_





Section 1. Application Fees (Instructions Page 29)

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 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 checked="" type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Copy of Payment Voucher enclosed? Yes ☐

<input checked="" type="checkbox"/> New TPDES	<input type="checkbox"/> New TLAP
<input type="checkbox"/> Major Amendment <u>with</u> Renewal	<input type="checkbox"/> Minor Amendment <u>with</u> Renewal
<input 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

Expiration Date:

### Section 3. Facility Owner (Applicant) and Co-Applciant Information (Instructions Page 29)

**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 No. 210

*(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:

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., Ms., Miss): Ms.

First and Last Name: Angela Lutz

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

Title: Partner

**B. Co-applciant 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-applciant applying for this permit?

*(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-applciant 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:

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., Ms., Miss):

First and Last Name:

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

Title:

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

### 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.

Attachment: 1

## Section 4. Application Contact Information (Instructions Page 30)

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

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

First and Last Name: Elizabeth Byrd

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

Title: Project Manager

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: (713) 488-8396 Ext.:                      Fax No.: (713) 488-8250

E-mail Address: ebyrd@bgeinc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

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

First and Last Name: Lianna Gregorian

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

Title: Engineer

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd, Suite 400

City, State, Zip Code: Houston, TX 77042

Phone No.: (832) 602-4725 Ext.:                      Fax No.: (713) 488-8250

E-mail Address: lgregorian@bgeinc.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

## Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

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



First and Last Name: Elizabeth Byrd

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

Title: Project Manager

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: (713) 488-8396 Ext.:                      Fax No.: (713) 488-8250

E-mail Address: ebyrd@bgeinc.com

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

First and Last Name: Lianna Gregorian

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

Title: Engineer

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: (832) 602-4725 Ext.:                      Fax No.: (713) 488-8250

E-mail Address: lgregorian@bgeinc.com

## **Section 6. Billing Information (Instructions Page 30)**

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

Prefix (Mr., Ms., Miss):                     

First and Last Name: Erin Garcia

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

Title: Bookkeeper

Organization Name: Myrtle Cruz, Inc.

Mailing Address: 3401 Louisiana St., Ste 499

City, State, Zip Code: Houston, TX, 77002

Phone No.: 713-759-1368 Ext.:                      Fax No.: 713-759-1264

E-mail Address: erin.garcia@mcruz.com

## **Section 7. DMR/MER Contact Information (Instructions Page 31)**

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

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

First and Last Name: Michael Thornhill

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

Title: Operator

Organization Name: Si Environmental

Mailing Address: 6420 Reading Rd

City, State, Zip Code: Rosenberg, TX, 77471

Phone No.: 832-490-1600 Ext.:

Fax No.:

E-mail Address: mthornhill@sienviro.com

DMR data is required to be submitted electronically. Create an account at:

<https://www.tceq.texas.gov/permitting/netdmr/netdmr.html>.

## Section 8. Public Notice Information (Instructions Page 31)

### A. Individual Publishing the Notices

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

First and Last Name: Elizabeth Byrd

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

Title: Project Manager

Organization Name: BGE, Inc.

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: (713) 488-8396 Ext.:

Fax No.: (713) 488-8250

E-mail Address: ebyrd@bgeinc.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

### C. Contact person to be listed in the Notices

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

First and Last Name: Elizabeth Byrd



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

Title: Project Manager

Organization Name: BGE, Inc.

Phone No.: (713) 488-8396 Ext.: [REDACTED]

E-mail: ebyrd@bgeinc.com

**D. Public Viewing Information**

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

Public building name: Fort Bend County – George Memorial Library

Location within the building: Front Desk

Physical Address of Building: 1001 Golfview Drive

City: Richmond

County: Fort Bend

Contact Name: Kenny Chao

Phone No.: 281-342-4455 Ext.: [REDACTED]

**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. 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: 2

### Section 9. Regulated Entity and Permitted Site Information (Instructions Page 33)

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

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 Municipal Utility District No. 210 Wastewater Treatment Plant

- C. Owner of treatment facility: Fort Bend Municipal Utility District No. 210

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

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

Prefix (Mr., Ms., Miss):

First and Last Name: Fort Bend County Municipal Utility District No. 210  
c/o Allen Boone Humphries Robinson, LLP

Mailing Address: 3200 Southwest Fwy, Suite 2600

City, State, Zip Code: Houston, TX, 77027

Phone No.: 713-860-6470

E-mail Address: alutz@abhr.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:

- E. Owner of effluent disposal site:

Prefix (Mr., Ms., Miss):

First and Last Name:

Mailing Address:

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

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

Prefix (Mr., Ms., Miss): [REDACTED]

First and Last Name: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

## Section 10. TPDES Discharge Information (Instructions Page 34)

- 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:

New Permit Application. The facility is located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection.

- 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 WWTP will discharge to the detention basin approximately 150' to the east of the facility, thence to proposed mitigation channel; thence to the Brazos River.

City nearest the outfall(s): Fulshear

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

Outfall Latitude: 29.620315

Longitude: -95.843460

- 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:**

- 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.

## Section 11. TLAP Disposal Information (Instructions Page 36)

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

☐ Yes ☐ No

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

- B. City nearest the disposal site:

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

- D. Disposal Site Latitude:  Longitude:

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

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

## Section 12. Miscellaneous Information (Instructions Page 37)

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

- 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



## Section 14. Signature Page (Instructions Page 39)

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

Permit Number: [Click here to enter text.](#)

Applicant: Fort Bend County Municipal Utility District No. 210

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):

Signatory title: Board President

Signature:

(Use blue ink)

Date:

March 14, 2024

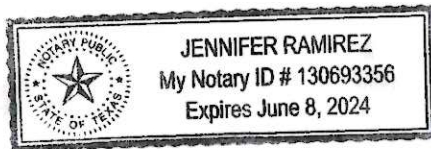
Subscribed and Sworn to before me by the said

on this 14<sup>th</sup> day of March, 20 24.

My commission expires on the 8<sup>th</sup> day of June, 20 24.

Jennifer Ramirez  
Notary Public

Harris  
County, Texas



[SEAL]

## Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

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

#### DOMESTIC WASTEWATER

*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 No. 210 (2. Enter Customer Number here (i.e., CN6#####). ) proposes to operate Fort Bend County Municipal Utility District No. 210 Wastewater Treatment Plant 5. Enter Regulated Entity Number here (i.e., RN1#####). an activated sludge plant that operates in single stage nitrification mode. The facility will be located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection, in Fulshear, Fort Bend County, Texas 77406.

This is a new permit application to discharge 300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and *Escherichia coli*. Domestic Wastewater will be treated by an activated sludge process plant and the treatment units will include aeration basins, clarifiers, digester basins, and chlorine contact basins .

## **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.*

Distrito Municipal de Servicios Públicos No. 210 del Condado de Fort Bend (2. Ingrese aquí el número de cliente (es decir, CN6#####). propone operar el Distrito Municipal de Servicios Públicos No. 210 de Aguas Residuales del Condado de Fort Bend Planta de Tratamiento 5. Ingrese aquí el Número de Entidad Regulada (es decir, RN1#####). Una planta de lodos activados que opera en modo de nitrificación de una sola etapa. La instalación estará ubicada aproximadamente a 4,700 pies al este de en la intersección de Beadle Lane y Stratman Road, en Fulshear, condado de Fort Bend, Texas 77406.

Esta es una nueva solicitud de permiso para descargar 300,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Doméstico Las aguas residuales serán tratadas mediante una planta de proceso de lodos activados y las unidades de tratamiento incluirán cubetas de aireación, clarificadores, cubetas digestoras y cubetas de contacto con cloro.



## DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

### Section 1. Affected Landowner Information (Instructions Page 41)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable: (SEE ATTACHMENT 4)
- ☒ 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 County 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):

## Section 2. Original Photographs (Instructions Page 44)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided. (SEE ATTACHMENT 5)

- ☒ 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 44)

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. (SEE ATTACHMENT 6)

- 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



# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

### FOR AGENCIES REVIEWING DOMESTIC 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)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

**Do not refer to a response of any item in the permit application form.** Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Fort Bend County Municipal Utility District No. 210

Permit No. WQ00 \_\_\_\_\_

EPA ID No. TX \_\_\_\_\_

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

The facility is located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection in Fulshear within Fort Bend County.



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: Elizabeth Byrd

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

Title: Project Manager

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: 713-488-8396 Ext.:                      Fax No.: 713-488-8250

E-mail Address: ebyrd@bgeinc.com

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

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 WWTP will discharge to the detention basin approximately 150' to the east of the facility, thence to proposed mitigation channel; thence to the Brazos River.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). (SEE ATTACHMENT 3)

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

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

The complete plant will be approximately 7 acres

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

The plant site will be cleared.

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

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

N/A

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

Land previously used for agricultural use.

# WATER QUALITY PERMIT

## PAYMENT SUBMITTAL FORM

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

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

**Mail this form and the check or money order to:**

***BY REGULAR U.S. MAIL***

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

***BY OVERNIGHT/EXPRESS MAIL***

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

**Fee Code: WQP      Waste Permit No:**  

1. Check or Money Order Number: 112461
2. Check or Money Order Amount: \$2,050.00
3. Date of Check or Money Order: 03/18/2024
4. Name on Check or Money Order: BGE. Inc.
5. APPLICATION INFORMATION

Name of Project or Site: Fort Bend County Municipal Utility District No. 210 WWTP

Physical Address of Project or Site: Located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection within Fort Bend County.

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

**Staple Check or Money Order in This Space**

THIS PAGE INTENTIONALLY LEFT BLANK





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY  
DOMESTIC WASTEWATER PERMIT APPLICATION

**DOMESTIC TECHNICAL REPORT 1.0**

The Following Is Required For All Applications  
Renewal, New, And Amendment

**Section 1. Permitted or Proposed Flows (Instructions Page 51)**

**A. Existing/Interim I Phase**

Design Flow (MGD): 0.3

2-Hr Peak Flow (MGD): 1.2

Estimated construction start date: Dec 2025

Estimated waste disposal start date: Dec 2026

**B. Interim II Phase**

Design Flow (MGD): 0.65

2-Hr Peak Flow (MGD): 2.6

Estimated construction start date: Jan 2027

Estimated waste disposal start date: Jan 2028

**C. Final Phase**

Design Flow (MGD): 1.125

2-Hr Peak Flow (MGD): 4.5

Estimated construction start date: Jan 2029

Estimated waste disposal start date: Jan 2030

**D. Current operating phase: N/A**

Provide the startup date of the facility:

**Section 2. Treatment Process (Instructions Page 51)**

**A. Treatment process description**

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 in the permit, a description of *each phase* must be provided.** Process description:

Interim I Phase will be designed as an activated sludge leased package plant that operates in a single stage nitrification mode. The process will include preliminary screening, (4) aeration basins, (1) clarifier, (1) chlorine contact basins, and (2) digester.  
Interim II Phase will be designed as an activated sludge permanent plant that operates in a single stage nitrification mode and will replace the leased package plant. The Interim I phase will remain in operation until the permanent treatment units from Interim II phase will be installed and functional. The process will include preliminary screening, (2) aeration basins, (1) clarifiers, (1) chlorine contact basins, and (2) digesters. The final phase process will also be designed as an activated sludge permanent plant and include an additional (2) aeration basins, (1) clarifier, (1) chlorine contact basins, and (2) digesters.

Port or pipe diameter at the discharge point, in inches: TBD

## 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)
<b>Interim I (Package Plant)</b>		
Aeration	4	40' x12'x10.5'(SWD)
Digester	2	30' x12'x10.5(SWD)
Clarifier	1	40'x 12.5'(SWD)
Chlorine Contact	1	20'x 12'x 10.5'(SWD)
<b>Interim II (Permanent Plant)</b>		
Aeration	2	60' x20'x16.5'(SWD)
Digester	2	40'x12'x16.5'(SWD)
Clarifier	1	54'x12.5' (SWD)
Chlorine Contact	1	40'x15'x 8.5'(SWD)
<b>Final Phase (Permanent Plant)</b>		
Aeration	4	60' x20'x16.5'(SWD)



Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Digester	4	40'x12'x16.5'(SWD)
Clarifier	2	54'x12.5' (SWD)
Chlorine Contact	2	40'x15'x 8.5'(SWD)

### C. Process flow diagrams

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

**Attachment:** 7

## Section 3. Site Drawing (Instructions Page 52)

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:** 8

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

Fort Bend County Municipal Utility District No. 210 and Foster Farms Development

## Section 4. Unbuilt Phases (Instructions Page 52)

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.

### Section 5. Closure Plans (Instructions Page 53)

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.

### Section 6. Permit Specific Requirements (Instructions Page 53)

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:

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.

**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.

**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*.

**D. Grit and grease treatment**

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

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



Yes ☐ No ☒

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

## ***2. Grit and grease processing***

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

## ***3. Grit disposal***

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

Yes ☐ No ☐

If No, contact the TCEQ Municipal Solid Waste team at 512-239-0000. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

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

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-0000.

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



## E. Stormwater management

### 1. Applicability

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

Yes ☒ No ☐

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

Yes ☐ No ☒

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

### 2. MSGP coverage

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

Yes ☐ No ☒

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

TXR05 [REDACTED] or TXRNE [REDACTED]

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

Yes ☐ No ☐

### 3. Conditional exclusion

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

Yes ☐ No ☒

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

### 4. Existing coverage in individual permit

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

Yes ☐ No ☒

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

### ***5. Zero stormwater discharge***

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

Yes ☐ No ☒

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

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

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

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

Yes ☐ No ☒

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

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

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

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

Does the facility discharge in the Lake Houston watershed?

Yes ☐ No ☒

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

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

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

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

Yes ☐ No ☒

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

In addition, provide the date that the plant started accepting sludge 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.



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 a the date that the plant started accepting septic waste, 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.

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 the facility accepting or will it 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.

## Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

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).

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

**Table 1.0(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					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

\*TPDES permits only

†TLAP permits only

**Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities**

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
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 60)**

Facility Operator Name: Si Environmental

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

Facility Operator's License Number: WW0002133

## **Section 9. Sewage Sludge Management and Disposal (Instructions**

**A. Sludge disposal method**

Identify the current or anticipated sludge disposal method or methods from the following list. Check all that apply.

- ☒ Permitted landfill
- ☐ Permitted or Registered land application site for beneficial use
- ☐ Land application for beneficial use authorized in the wastewater permit
- ☐ Permitted sludge processing facility
- ☐ Marketing and distribution as authorized in the wastewater permit
- ☐ Composting as authorized in the wastewater permit
- ☐ Permitted surface disposal site (sludge monofill)
- ☐ Surface disposal site (sludge monofill) authorized in the wastewater permit
- ☐ Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.
- ☐ Other:

**B. Sludge disposal site**

Disposal site name: TBD

TCEQ permit or registration number:

County where disposal site is located:

**C. Sludge transportation method**

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

Name of the hauler: TBD

Hauler registration number:



Sludge is transported as a:

Liquid ☐

semi-liquid ☒

semi-solid ☐

solid ☐

## Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

### 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 Yes ☐ No ☒

Marketing and Distribution of sludge Yes ☐ No ☒

Sludge Surface Disposal or Sludge Monofill Yes ☐ No ☒

Temporary storage in sludge lagoons Yes ☐ No ☒

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

Yes ☐ No ☐

## Section 11. Sewage Sludge Lagoons (Instructions Page 61)

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:** [REDACTED]

- USDA Natural Resources Conservation Service Soil Map:

**Attachment:** [REDACTED]

- Federal Emergency Management Map:

**Attachment:** [REDACTED]

- Site map:

**Attachment:** [REDACTED]

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:** [REDACTED]

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:

[REDACTED]

#### 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: [REDACTED]

Total Kjeldahl Nitrogen, mg/kg: [REDACTED]

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

Phosphorus, mg/kg: [REDACTED]

Potassium, mg/kg: [REDACTED]

pH, standard units: [REDACTED]

Ammonia Nitrogen mg/kg: [REDACTED]

Arsenic: [REDACTED]

Cadmium: [REDACTED]

Chromium: [REDACTED]

Copper: [REDACTED]

Lead: [REDACTED]

Mercury: [REDACTED]

Molybdenum: [REDACTED]

Nickel: [REDACTED]

Selenium: [REDACTED]

Zinc: [REDACTED]

Total PCBs: [REDACTED]

Provide the following information:

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

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

[REDACTED]

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

[REDACTED]

### 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.

#### **D. Site development plan**

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

Attach the following documents to the application.

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

#### **E. Groundwater monitoring**

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

Yes ☐ No ☐

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

Attachment: [REDACTED]

## Section 12. Authorizations/Compliance/Enforcement (Instructions Page 63)

### 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:

[REDACTED]

### 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:

[REDACTED]

## Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

### 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: 

## DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

### Section 1. Justification for Permit (Instructions Page 66)

#### 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.

The proposed service area will be served by the Fort Bend County No. 210 Wastewater Treatment Plant for the proposed development. The phases of the wastewater treatment plant have been designed around the growth of the development. Phase I will serve approximately 1,200 equivalent single-family connections (ESFC) based on 250 gallons per day per connection. Phase II will serve approximately 2,600 ESFC and the final Phase will serve approximately 4,500 ESFC based on 250 gallons per day per connection.

#### B. Regionalization of facilities

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:

If yes, attach correspondence from the city.

Attachment:

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:

##### 2. *Utility CCN areas*

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

Yes ☐ No ☒

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:

### **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 ☒ (SEE ATTACHMENT 9)

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

Attachment:

If **yes**, attach copies of your certified letters to these facilities **and** their response letters concerning connection with their system.

Attachment:

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes ☐ No ☐

If **yes**, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment:

## **Section 2. Organic Loading (Instructions Page 67)**

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):

Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l:

Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34):

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

**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 BOD <sub>5</sub> Concentration (mg/l)
Municipality	0.31	250 mg/l
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria,		



Source	Total Average Flow (MGD)	Influent BOD <sub>5</sub> Concentration (mg/l)
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	0.31	
AVERAGE BOD <sub>5</sub> from all sources		250 mg/l

### Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

#### 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: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other:

**B. Interim II Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other:

**C. Final Phase Design Effluent Quality**

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other:

**D. Disinfection Method**

Identify the proposed method of disinfection.

- ☒ Chlorine: 1 to 4 mg/l after 20 minutes detention time at peak flow  
Dechlorination process:
- ☐ Ultraviolet Light:  seconds contact time at peak flow
- ☐ Other:

**Section 4. Design Calculations (Instructions Page 68)**

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

**Attachment: 10**

## Section 5. Facility Site (Instructions Page 68)

### 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.

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

FIRM Panel 230 of 575, Map No. 48157C0230L. April 2, 2014

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:

If **no**, provide the approximate date you anticipate submitting your application to the Corps:

### B. Wind rose

Attach a wind rose. **Attachment:**11


## Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

### 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)

Attachment: 

#### **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 a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment: 

### **Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)**

Attach a solids management plan to the application.

Attachment: 12

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 TECHNICAL REPORT WORKSHEET 2.0

### RECEIVING WATERS

The following is required for all TPDES permit applications

#### Section 1. Domestic Drinking Water Supply (Instructions Page 73)

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 yes, provide the following:

Owner of the drinking water supply: \_\_\_\_\_

Distance and direction to the intake: \_\_\_\_\_

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

Attachment: \_\_\_\_\_

#### Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes ☐ No ☒

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

##### A. Receiving water outfall

Width of the receiving water at the outfall, in feet: N/A

##### B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

Yes ☐ No ☒

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

_____
-------

**C. Sea grasses**

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

Yes ☐ No ☒

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

**Section 3. Classified Segments (Instructions Page 73)**

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 75)**

Name of the immediate receiving waters: Proposed Mitigation Basin

**A. Receiving water type**

Identify the appropriate description of the receiving waters.

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

Surface area, in acres:

Average depth of the entire water body, in feet:

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

- ☐ Man-made Channel or Ditch

- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☒ Other, specify: Proposed Man-Made Basin

#### 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:

#### C. Downstream perennial confluences

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

#### D. Downstream characteristics

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

Yes ☒ No ☐

If yes, discuss how.

Outfalls into a Man-made mitigation basin feeds into a Man-made mitigation channel which then flows into the Brazos River.

#### E. Normal dry weather characteristics

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

Basin is not constructed yet. Conditions cannot be determined.

Date and time of observation: 2/29/2024 8:15 am

Was the water body influenced by stormwater runoff during observations?

Yes ☐

No ☒

### Section 5. General Characteristics of the Waterbody (Instructions Page 74)

#### A. Upstream influences

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

☐ Oil field activities

☒ Urban runoff

☐ Upstream discharges

☒ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify

#### B. Waterbody uses

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

☐ Livestock watering

☐ Contact recreation

☐ Irrigation withdrawal

☐ Non-contact recreation

☐ Fishing

☐ Navigation



- |  |  |
|--|--|
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply                           |
| <input type="checkbox"/> Park activities       | <input checked="" type="checkbox"/> Other(s), specify <u>Flood Control</u> |

**C. Waterbody aesthetics**

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

- ☐ 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 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 75)

Date of study: 2/29/2024 Time of study: 8:00 am

Stream name: Proposed Mitigation Basin

Location:

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 75)

Number of stream bends that are well defined: 0

Number of stream bends that are moderately defined: 0

Number of stream bends that are poorly defined: 0

Number of riffles: 0

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.

N/A

#### 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. N/A

**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.
riffle			
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.			

### **Section 3. Summarize Measurements (Instructions Page 76)**

Streambed slope of entire reach, from USGS map in feet/feet: N/A

Approximate drainage area above the most downstream transect (from USGS map or county highway map, in square miles): N/A

Length of stream evaluated, in feet: N/A

Number of lateral transects made: N/A

Average stream width, in feet: N/A

Average stream depth, in feet: N/A

Average stream velocity, in feet/second: N/A

Instantaneous stream flow, in cubic feet/second: N/A

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

Size of pools (large, small, moderate, none): N/A

Maximum pool depth, in feet: N/A



## DOMESTIC WORKSHEET 6.0

### INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works (POTWs)

#### Section 1. All POTWs (Instructions Page 99)

##### A. Industrial users

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:

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD:

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD:

##### 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.

<div></div>
-------------

### 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.

--

### 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 100)

### A. Substantial modifications

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

Yes ☐ No ☒

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

**B. Non-substantial modifications**

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

Yes ☐ No ☒

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

**C. Effluent parameters above the MAL**

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

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

Pollutant	Concentration	MAL	Units	Date

#### **D. Industrial user interruptions**

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

Yes ☐ No ☒

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

### **Section 3. Significant Industrial User (SIU) Information and Categorical Industrial User (CIU) (Instructions Page 100)**

#### **A. General information**

Company Name:

SIC Code:

Telephone number:  Fax number:

Contact name:

Address:

City, State, and Zip Code:

#### **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).

#### **C. Product and service information**

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



**D. Flow rate information**

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

Process Wastewater:

Discharge, in gallons/day:

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

Discharge, in gallons/day:

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:

Category:   
Subcategories:

Category:   
Subcategories:

Category:   
Subcategories:

Category:   
Subcategories:

**F. Industrial user interruptions**

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

Yes ☐

No ☐

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

--

**Fort Bend County Municipal Utility District No. 210**  
**TPDES New Permit Application**  
**List of Attachments**

- Attachment 1 - Core Data Form  
Corresponds to Domestic Administrative Report 1.0, Item 3.c, Page 4
- Attachment 2 - Public Involvement Plan Form  
Corresponds to Domestic Administrative Report 1.0, Item 8.f, Page 8
- Attachment 3 - USGS Maps  
Corresponds to Domestic Administrative Report 1.0, Item 13, Page 11 and  
Supplemental Permit Information Form, Item 5, Page 18
- Attachment 4 - Affected Landowner Information  
Corresponds to Domestic Administrative Report 1.1, Item 1.a, Page 16
- Attachment 5 - Original Photographs  
Corresponds to Domestic Administrative Report 1.1, Item 2, Page 17
- Attachment 6 - Buffer Zone Map  
Corresponds to Domestic Administrative Report 1.1, Item 3, Page 17
- Attachment 7 - Process Flow Diagrams  
Corresponds to Domestic Technical Report 1.0, Item on 2.c, Page 3
- Attachment 8 - Site Drawing with Service Area  
Corresponds to Domestic Technical Report 1.0, Item 3, Page 3
- Attachment 9 - Letter to Nearby WWTP Facilities  
Corresponds to Domestic Technical Report 1.1. Item 1, Page 22
- Attachment 10 - Design Calculations  
Corresponds to Domestic Technical Report 1.1, Item 4, Page 15
- Attachment 11 - Wind Rose  
Corresponds to Domestic Technical Report 1.1, Item 5.b, Page 25
- Attachment 12 - Sewage Sludge Solids Management Plan  
Corresponds to Domestic Technical Report 1.0, Item 7, Page 27

## **Attachment 1 – Core Data Form**

Corresponds to Domestic Administrative Report 1.0, Item 3.c, Page 4





# 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 checked="" 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 type="checkbox"/> Other
<b>2. Customer Reference Number</b> (if issued)		<b>3. Regulated Entity Reference Number</b> (if issued)
CN 606245215		RN 111944132

Follow this link to search  
for CN or RN numbers in  
Central Registry\*\*

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)		
<input checked="" 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 No. 210				
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)
				<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited		
<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 type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input checked="" type="checkbox"/> Other: Municipal Utility District		
<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 checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" 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>				
c/o Allen Boone Humphries Robinson LLP				
3200 Southwest Fwy, Suite 2600				
City		State	TX	ZIP
Houston				77027
ZIP + 4				
<b>16. Country Mailing Information</b> (if outside USA)			<b>17. E-Mail Address</b> (if applicable)	
			alutz@abhr.com	
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>		<b>20. Fax Number</b> (if applicable)

**SECTION III: Regulated Entity Information****21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Fort Bend County Municipal Utility District No. 210 Wastewater Treatment Facility

**23. Street Address of the Regulated Entity:**

N/A

(No PO Boxes)

City

Houston

State

TX

ZIP

ZIP + 4

**24. County**

Fort Bend

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

**25. Description to Physical Location:**

The facility is located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection.

**26. Nearest City**

State

Nearest ZIP Code

Fulshear

TX

77406

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

**27. Latitude (N) In Decimal:**

29.620278

**28. Longitude (W) In Decimal:**

-95.843889

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29

27

13

95

05

38

**29. Primary SIC Code****30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

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

To treat and discharge waste

**34. Mailing Address:**

c/o Allen Boone Humphries Robinson LLP

3200 Southwest Fwy, Suite 2600

City

Houston

State

TX

ZIP

77027

ZIP + 4

**35. E-Mail Address:**

alutz@abhr.com

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

( 713 ) 860-6470

( ) -

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

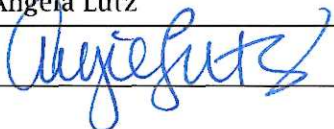
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review 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:

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Elizabeth Byrd	<b>41. Title:</b>	Project Manager
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 713 ) 488-8396		( 713 ) 488-8250	ebyrd@bgeinc.com

## **SECTION V: Authorized Signature**

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

<b>Company:</b>	Allen Boone Humphries Robinson, LLP	<b>Job Title:</b>	Partner
<b>Name (In Print):</b>	Angela Lutz	<b>Phone:</b>	713-860-6470
<b>Signature:</b>		<b>Date:</b>	3.19.2024



## **Attachment 2 – Public Involvement Plan**

Corresponds to Domestic Administrative Report 1.0, Item 8.f, page 8





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.

### 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.

Fort Bend County Municipal Utility District No. 210 proposes to operate Fort Bend County Municipal Utility District No. 210 Wastewater Treatment Plant an activated sludge plant that operates in single stage nitrification mode. The facility will be located approximately 4,700 ft east of the intersection of Beadle Lane and Stratman, in Fulshear, Fort Bend County, Texas 77406.

This is a new permit application to discharge 300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia coli. Domestic Wastewater will be treated by an activated sludge process plant and the treatment units will include aeration basins, clarifiers, digester basins, and chlorine contact basins .

### 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) Fort Bend County - George Memorial Library

### 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 3 – USGS Map**

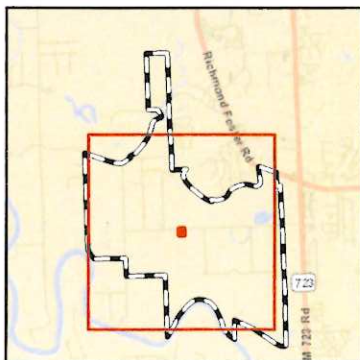
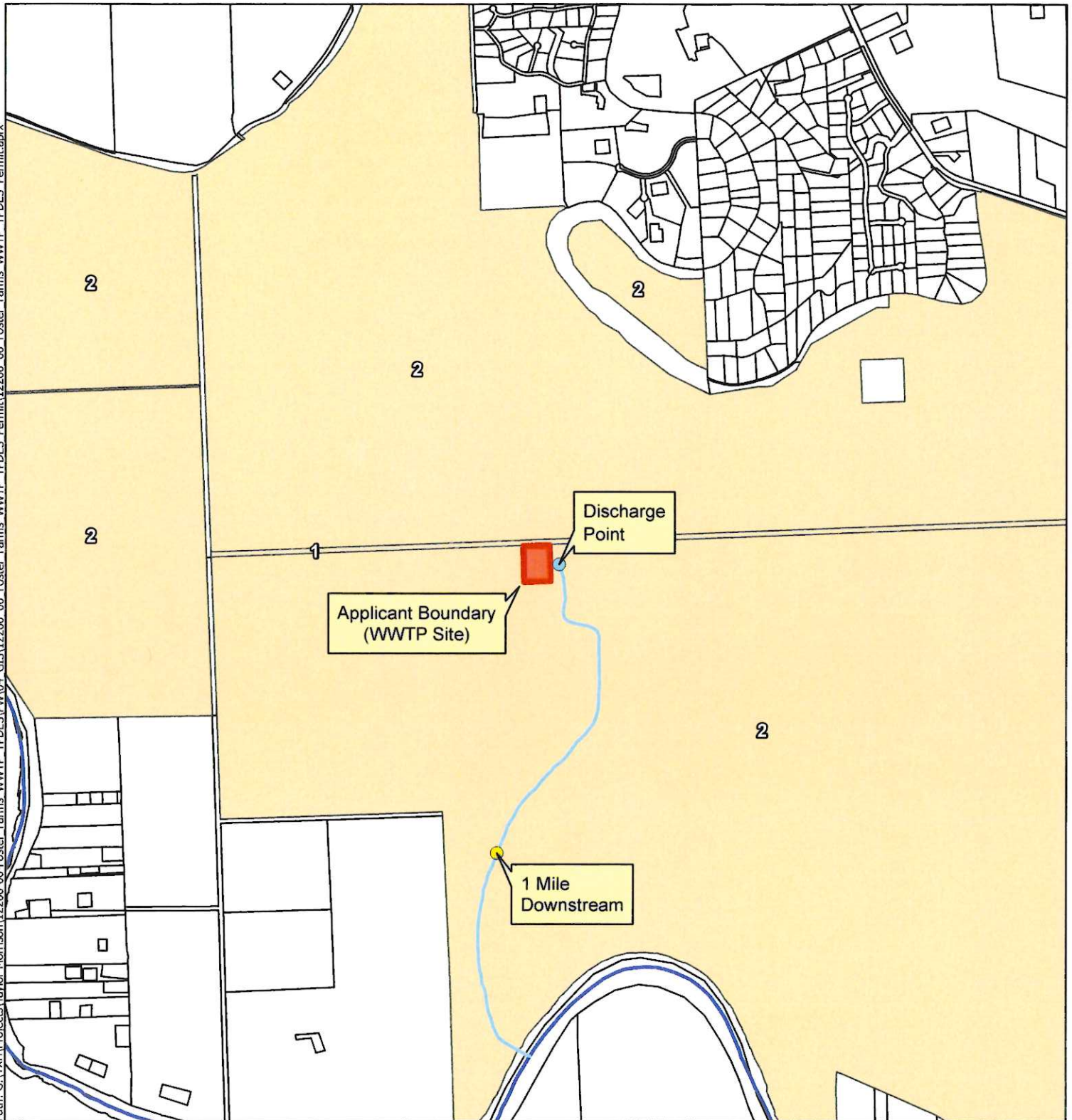
Corresponds to Domestic Administrative Report 1.0, Item 13, Page 11 and  
Supplemental Permit Information Form Item 5, Page 18



## **Attachment 4 – Affected Landowner Map and Information**

Corresponds to Domestic Administrative Report 1.1, Item 1.a, Page 16

Path: G:\TXH\Projects\Taylor Morrison\12260-00-Foster Farms WWTP TPDES Permit\12260-00 Foster Farms WWTP TPDES Permit.aprx



Datum: NAD83  
Projection: Texas State Plane  
Zone: South Central  
Units: Feet  
Basemap: NA  
0 500 1,000  
Feet  
0 200 400  
Meters

- Discharge Point
- 1 Mile Downstream
- Discharge Route
- Brazos River
- Adjacent Parcels
- Applicant Boundary (WWTP Site)

Fort Bend County  
Municipal Utility District No. 210



BGE, Inc.  
10777 Westheimer, Suite 500, Houston TX 77042  
Tel: 281-558-8700 Fax: 281-558-9701  
www.bgeinc.com

TPDES New Permit

Downstream Landowners  
Corresponds to Domestic Administrative  
Report 1.1, Item 1.a, Page 16

Date: March 2024 Proj. No: 12260-00 Exhibit No: 4

## **Attachment 4 – Affected Landowner List**

Corresponds to Domestic Technical Report 1.1, Item 1.a, Page 16

Tract Number	Owner Name	Mailing Address	City	State
1	Fort Bend County	301 Jackson	Richmond	TX
2	Foster Farms Inc.	c/o RLK Lynch P.O. Box 2119	Galveston	TX



Fort Bend County MUD 210 – New TPDES Permit

**FORT BEND COUNTY**  
301 JACKSON  
RICHMOND, TX 77469

**FOSTER FARMS, INC.**  
C/O RLK LYNCH  
P.O. BOX 2119

**FORT BEND COUNTY**  
301 JACKSON  
RICHMOND, TX 77469

**FOSTER FARMS, INC.**  
C/O RLK LYNCH  
P.O. BOX 2119

**FORT BEND COUNTY**  
301 JACKSON  
RICHMOND, TX 77469

**FOSTER FARMS, INC.**  
C/O RLK LYNCH  
P.O. BOX 2119

**FORT BEND COUNTY**  
301 JACKSON  
RICHMOND, TX 77469

**FOSTER FARMS, INC.**  
C/O RLK LYNCH  
P.O. BOX 2119



## **Attachment 5 – Original Photographs**

Corresponds to Domestic Administrative Report 1.1, Item 2, Page 17

## Attachment 5 – Original Photographs

Corresponds to Domestic Administrative Report 1.1, Item 2, Page 17

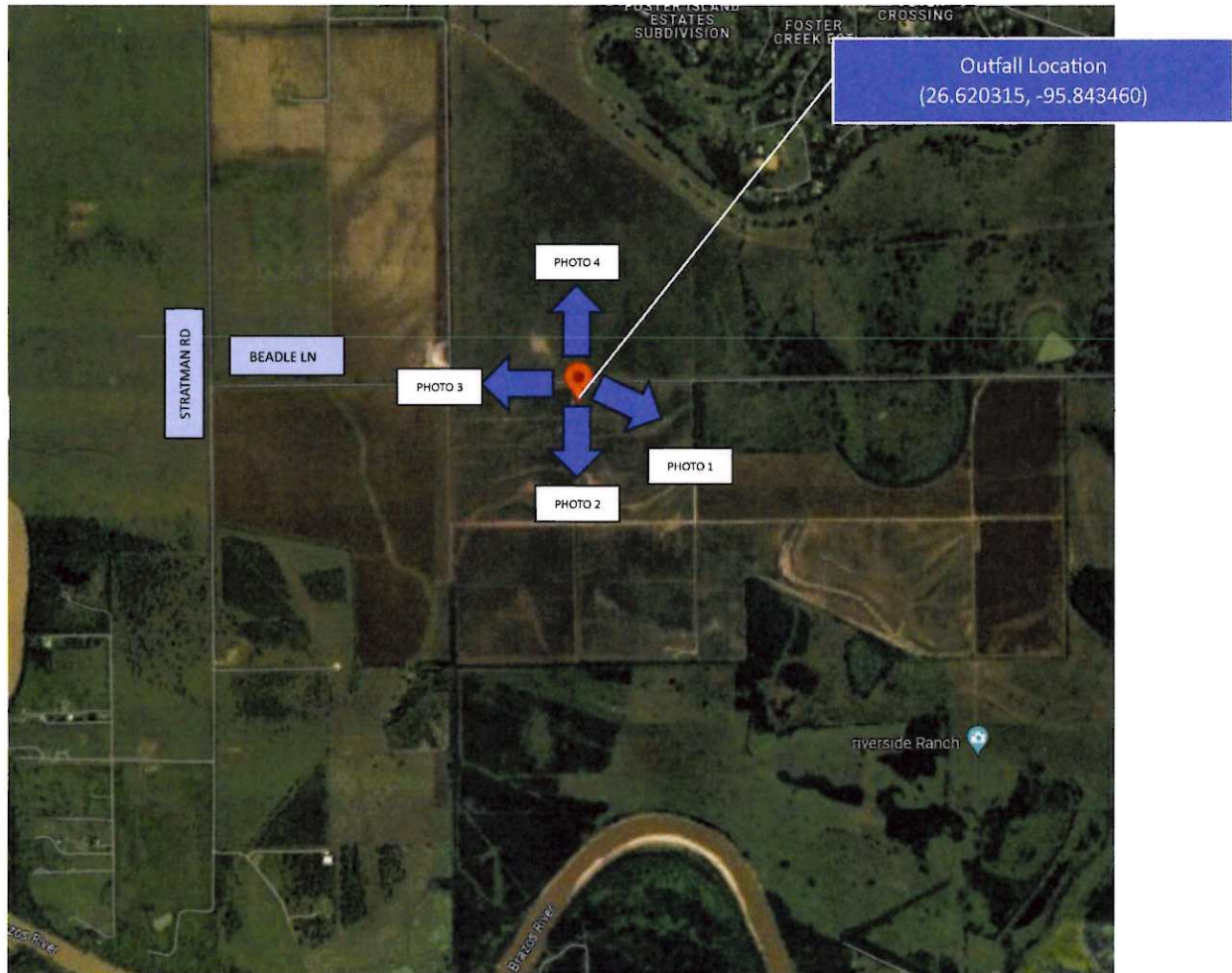


PHOTO 1: SOUTHEAST OF OUTFALL/PROPOSED MITIGATION BASIN LOCATION



PHOTO 2: SOUTH OF OUTFALL/PROPOSED MITIGATION BASIN LOCATION





PHOTO 3: WEST OF OUTFALL/PROPOSED PLANT LOCATION



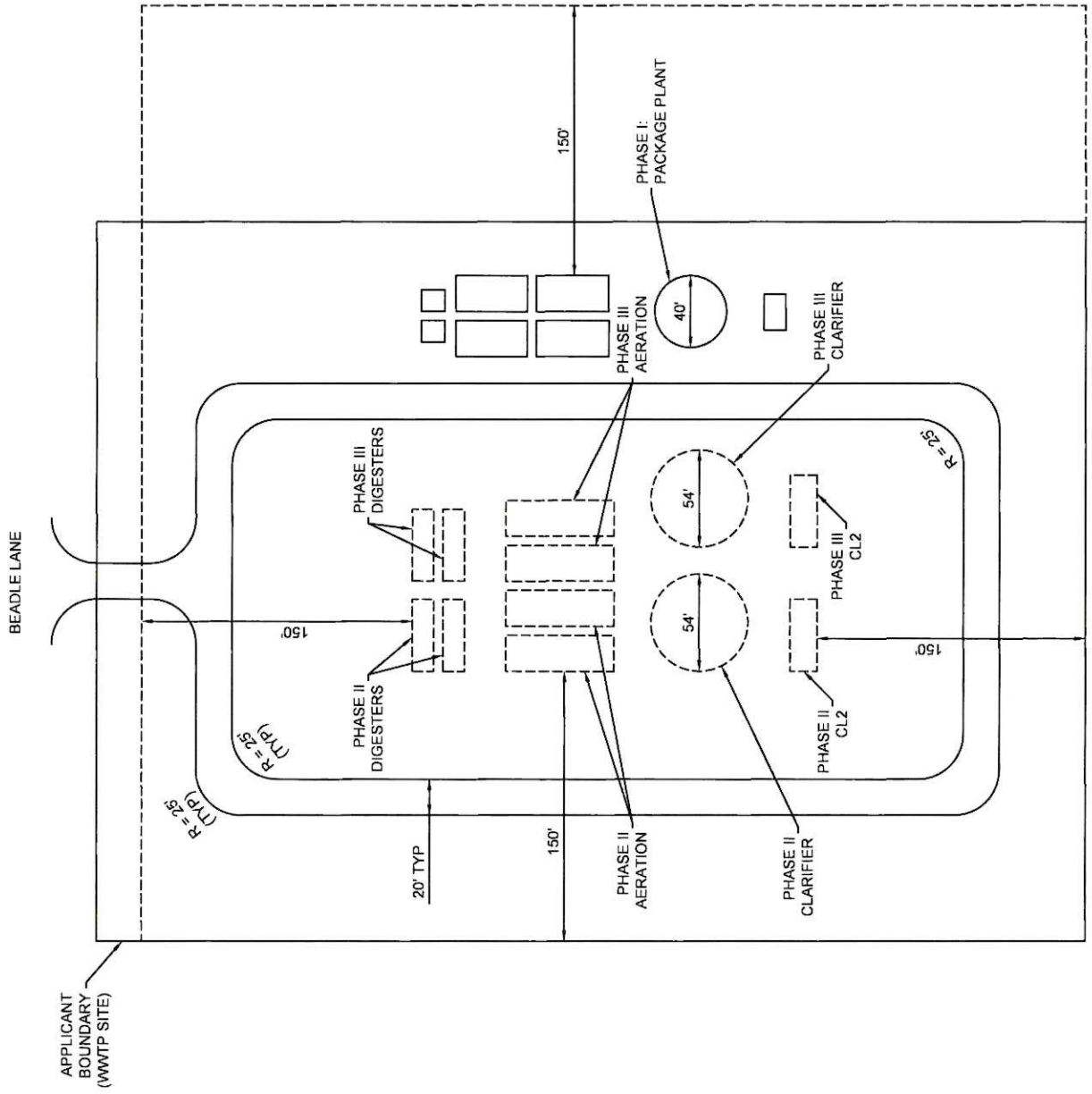
PHOTO 4: NORTH OF OUTFALL/BEADLE LN





## **Attachment 6 – Buffer Zone Map**

Corresponds to Domestic Administrative Report 1.1, Item 3, Page 17



FORT BEND COUNTY MUD NO. 210



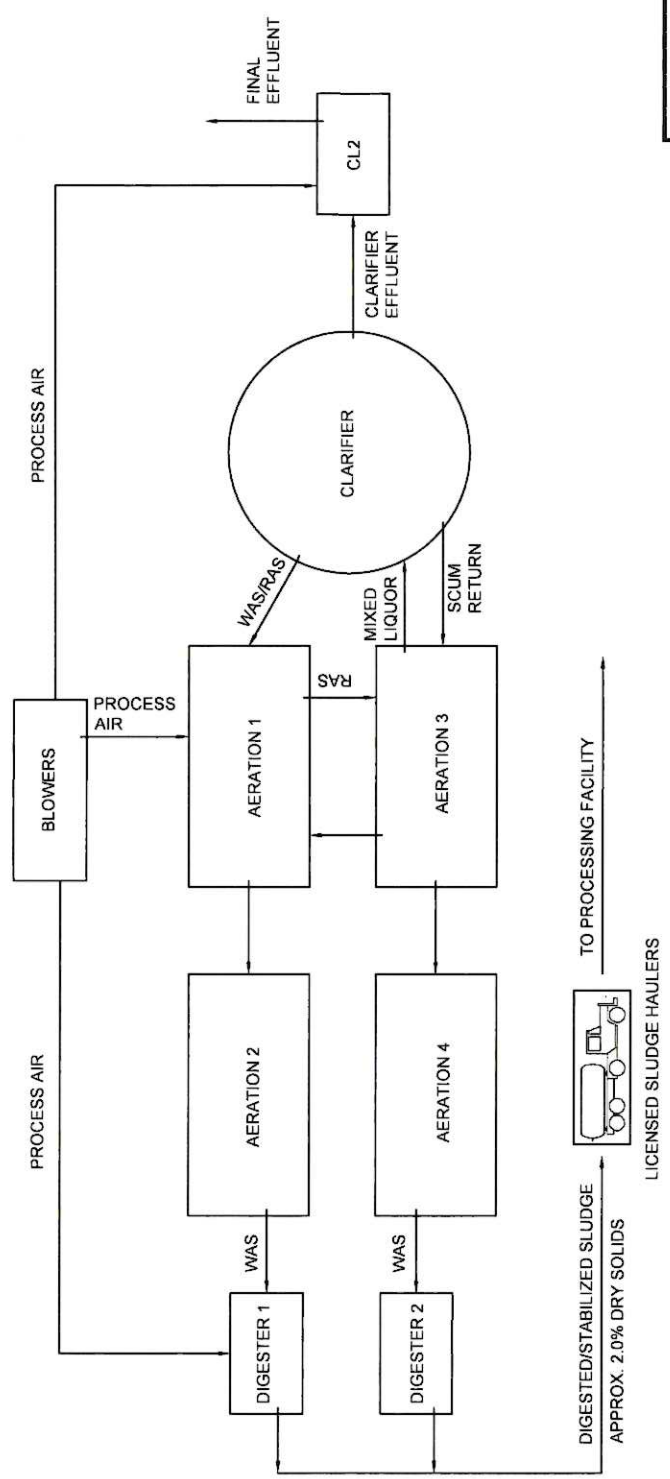
BCE Inc.  
10000 Highway 400, Houston, TX 77062  
Tel: 281-558-8100 • www.bceinc.com  
TDE Registration No. F-1048


TPDES NEW PERMIT

**BUFFER ZONE MAP**  
CORRESPONDS TO DOMESTIC ADMINISTRATIVE  
REPORT 1.1, ITEM 3, PAGE 17

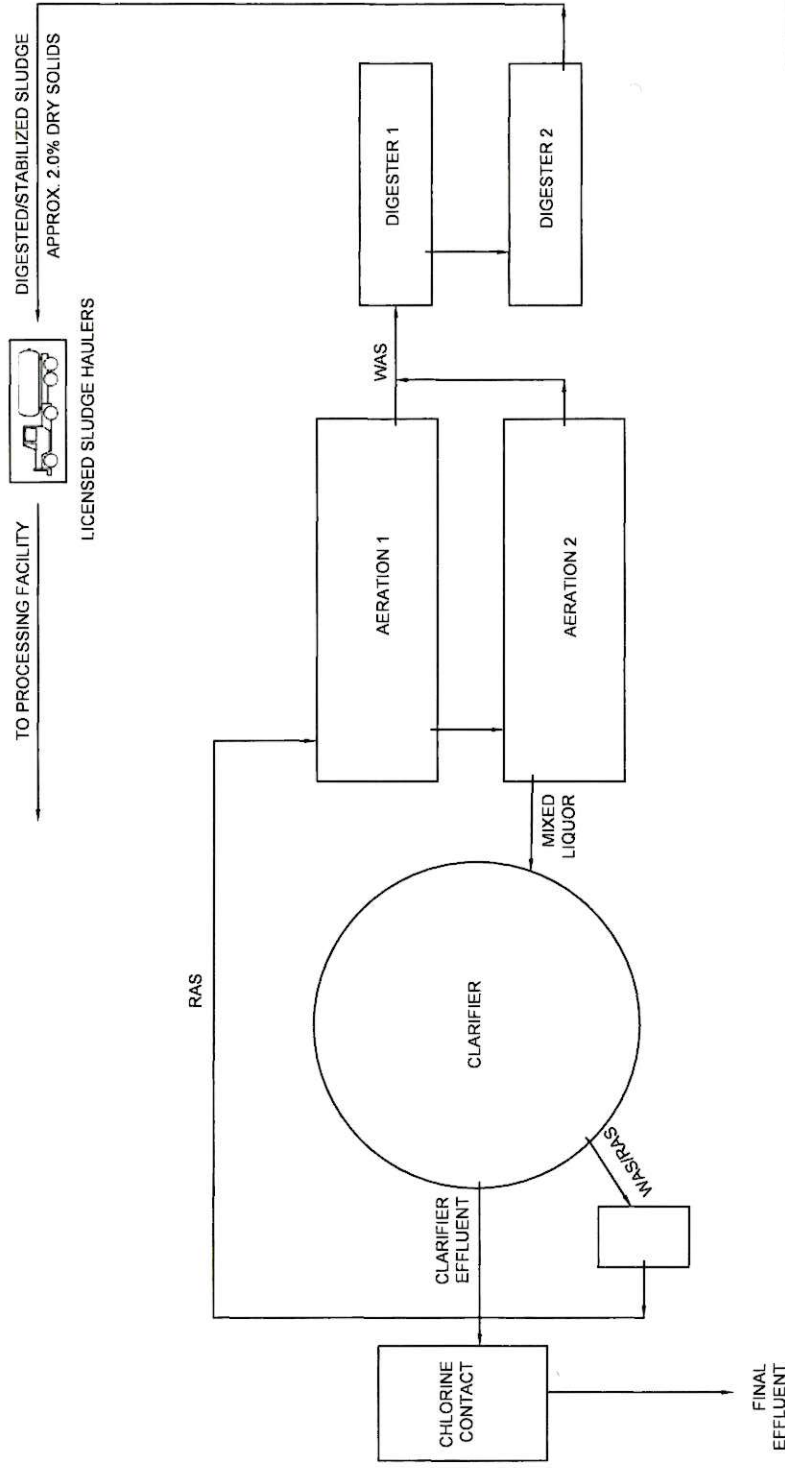
DATE	PROJECT #	EXHIBIT
MARCH 2024	12280-00	6

**Attachment 7 – Process Flow Diagrams**  
Corresponds to Domestic Technical Report 1.0, Item 2.c, Page 3



FORT BEND COUNTY MUD NO 210	
	BCE, Inc. 10000 Highway 5846, Houston, TX 77062 Tel: 281-558-8700 • www.bceinc.com TBE Registration No. F-1046
	TPDES NEW PERMIT
PROCESS FLOW DIAGRAM PHASE I: 0.3 MGD CORRESPONDS TO DOMESTIC TECHNICAL REPORT 1.0, ITEM 2 c, PAGE 3	
DATE MARCH 2024	PROJECT # 12260-00
EXHIBIT 7A	





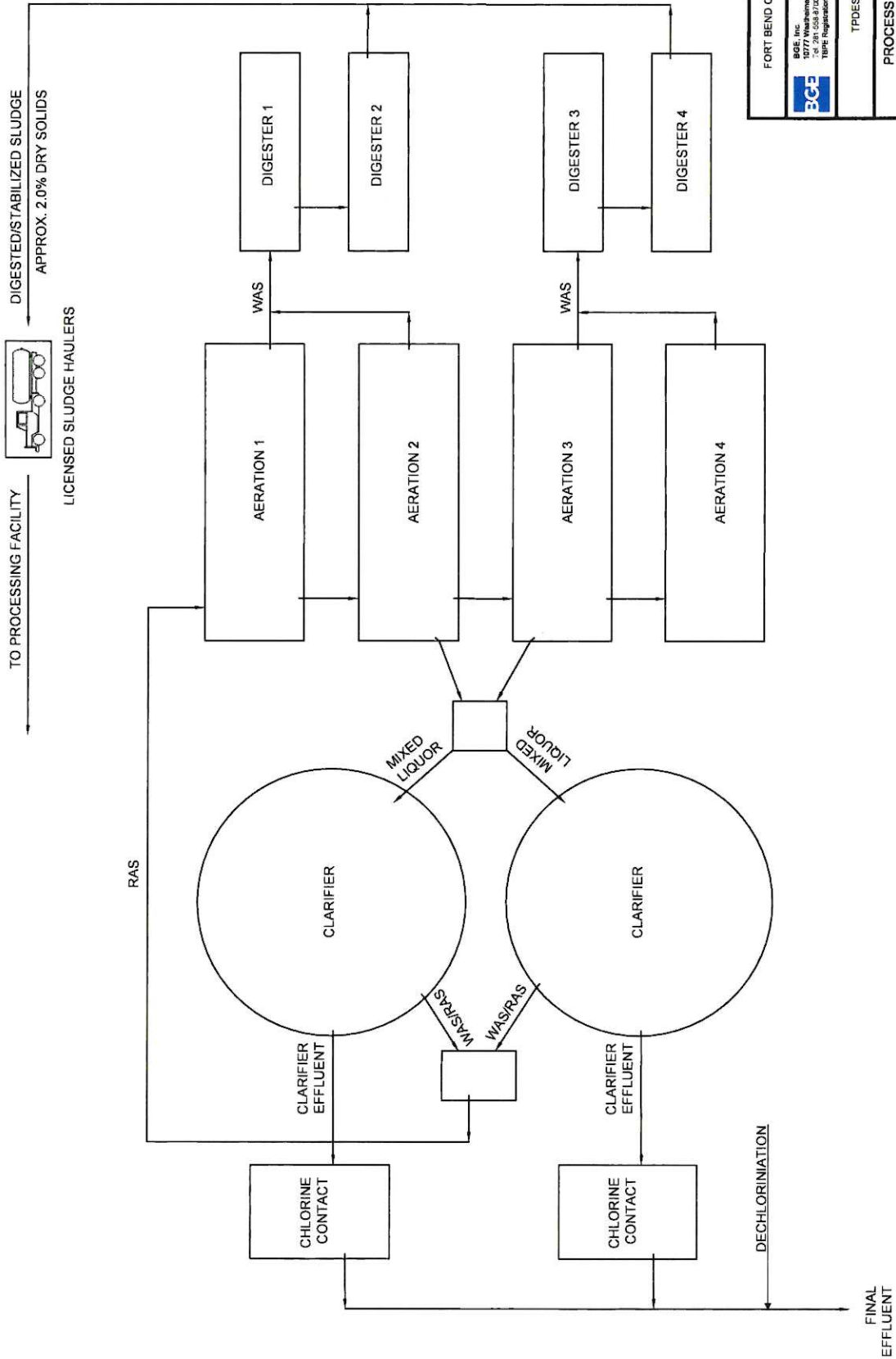
FORT BEND COUNTY MUD NO. 210

**BCE** Inc.  
20000 Highway 290, Houston, TX 77042  
Tel: 281-558-6702 • www.bceinc.com  
TBPPE Registration No. F-1046

TPDES NEW PERMIT

PROCESS FLOW DIAGRAM  
PHASE II: 0.65 MGD  
CORRESPONDS TO DOMESTIC TECHNICAL  
REPORT 1.0, ITEM 2 g, PAGE 3

DATE: MARCH 2024 PROJECT # 12260-00 EXHIBIT 7B



FORT BEND COUNTY MUD NO. 210

**BGE, Inc.**  
 10777 Westheimer, Suite 400, Houston, TX 77042  
 Tel: 281.466.1000  
 Fax: 281.466.1001  
 www.bge.com  
 TCEQ Registration No. F-10048

TPOES NEW PERMIT

**PROCESS FLOW DIAGRAM**  
**PHASE III: 1.125 MGD**  
 CORRESPONDS TO DOMESTIC TECHNICAL  
 REPORT 1.0, ITEM 2 c, PAGE 3

DATE: MARCH 2024  
 PROJECT # 12260-00  
 EXHIBIT 7C

## **Attachment 8 – Site Drawing with Service Area**

Corresponds to Domestic Technical Report 1.0, Item 3, Page 3







Datum: NAD83  
Projection: Texas State Plane  
Zone: South Central  
Units: Feet  
Basemap: Nearmap 2024

0 2,000 4,000  
Feet

0 500 1,000  
Meters

-  Applicant Boundary (WWTP Site)
-  Service Area Boundary

## Fort Bend County Municipal Utility District No. 210



BGE, Inc.  
10777 Westheimer, Suite 500, Houston TX 77042  
Tel: 281-558-8700 Fax: 281-558-9701  
www.bgeinc.com

### TPDES New Permit

Site Map with Service Area  
Corresponds to Domestic Administrative  
Report 1.0, Item 3, Page 3

Date: March 2024	Proj. No: 12260-00	Exhibit No: 8
------------------	--------------------	---------------



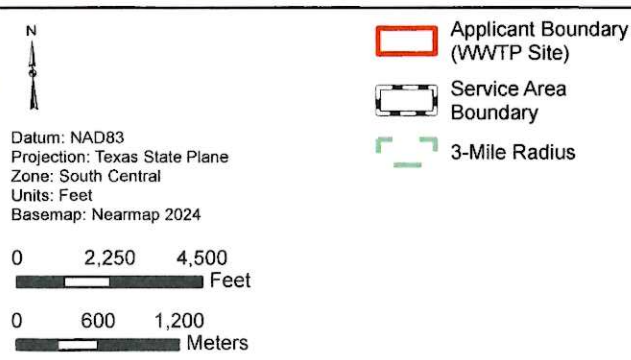
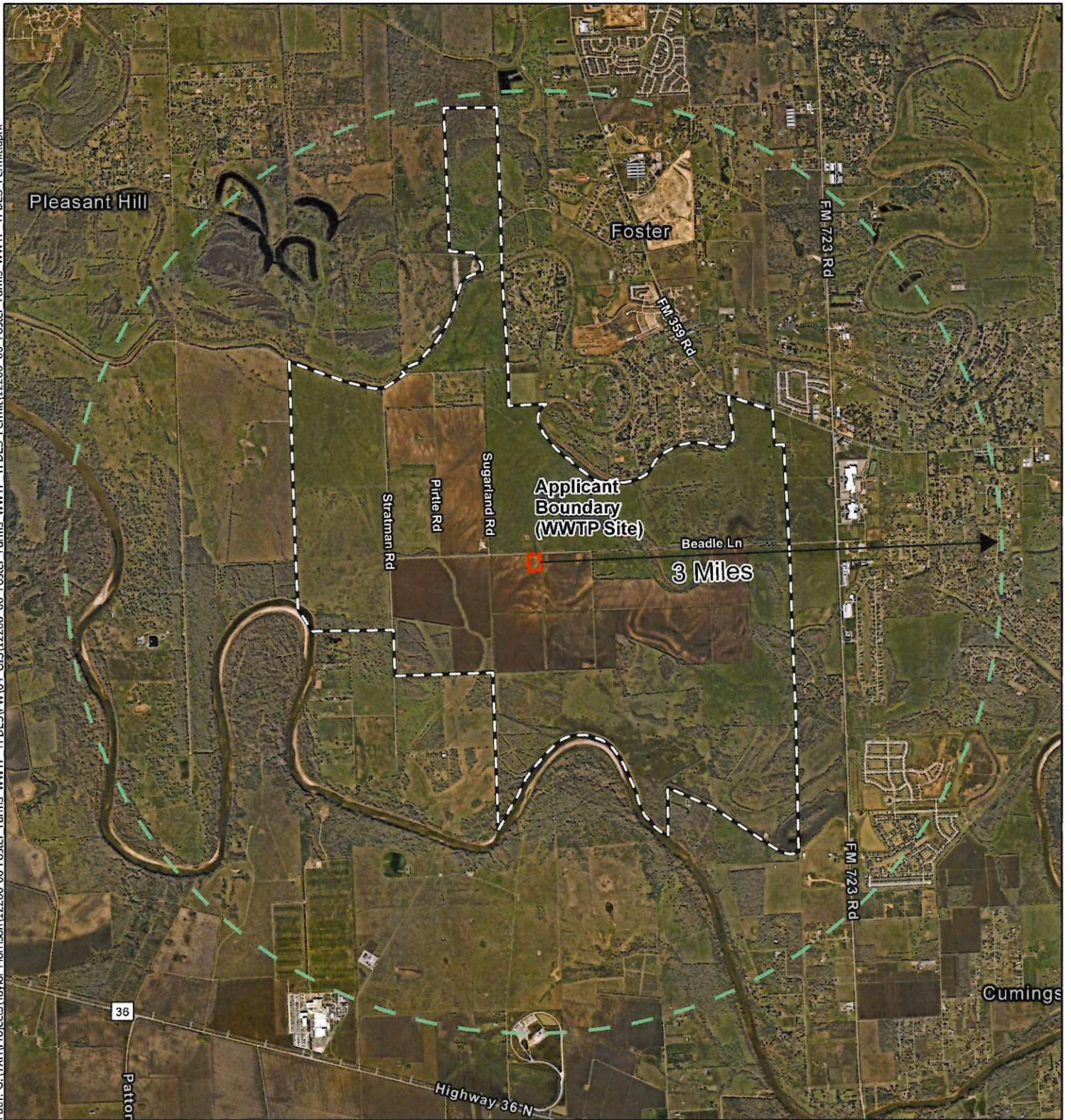
## **Attachment 9 – Letter to Nearby WWTP Facilities**


Corresponds to Domestic Technical Report 1.1, Item 1, Page 22

There are no domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility as shown by the following map.



Path: G:\TXH\Projects\Taylor Morrison\12260-00-Foster Farms WWTP TPDES\PM\04 GIS\12260 00 Foster Farms WWTP TPDES Permit\12260 00 Foster Farms WWTP TPDES Permit.aprx



<b>Fort Bend County</b> <b>Municipal Utility District No. 210</b>		
	<b>BGE, Inc.</b> 10777 Westheimer, Suite 500, Houston TX 77042 Tel: 281-558-8700 Fax: 281-558-9701 www.bgeinc.com	
<b>TPDES New Permit</b>		
Nearby WWTP Facility Corresponds to Domestic Technical Report 1.1, Item 1, Page 22		
Date: March 2024	Proj. No: 12260-00	Exhibit No: 9



## **Attachment 10 – Design Calculations**

Corresponds to Domestic Technical Report 1.1, Item 4, Page 25

## Attachment 10 - Design Calculations

Corresponds to Domestic Technical Report 1.1, Item 4, Page 25

### Phase I- 0.3 MGD:

#### 1. Influent Flow

Average Daily Flow	0.3 mgd
2-hour Peak Flow	1.2 mgd
Influent BOD	250 mg/l

Solids Loading                      626 lb BOD<sub>5</sub>/day

$$250 \frac{mg}{l} \times 0.3 \text{ mgd} \times 8.34 \frac{cu. ft}{gal} = 626 \frac{lbBOD5}{day}$$

#### 2. Aeration Basins

Design criteria allow a maximum BOD<sub>5</sub> loading of 35 lb BOD<sub>5</sub>/day per 1,000 cu ft of capacity.

$$626 \frac{lbBOD5}{day} / (35 \frac{lbBOD5}{day} / 1,000cu. ft) = 17,871 \text{ cu. ft}$$

Four (4) aeration basins, each with an area of 480 sq ft x 10.50 ft SWD.

$$480 \text{ sq. ft} \times 10.50 \text{ ft} = 5,040 \text{ cu. ft}$$
$$4 \text{ units} \times 5,040 \text{ cu. ft} = 20,160 \text{ cu. ft}$$

#### 3. Clarifier

Design requirements are 1,200 gal/day per sq ft at peak flow.

$$1,200,000 \frac{gal}{day} / 1,200 \frac{gal}{day} / sq. ft = 1,000 sq. ft$$

There is one (1) clarifier, 1,257 sq ft x 12.5ft SWD.

$$1,257 \text{ sq. ft} \times 12.5 \text{ ft} = 15,708 \text{ cu. ft}$$

#### 4. Chlorine Contact Basin

Design requirements are 20 minutes contact time at peak flow (gpm).

$$\frac{1,200,000 \frac{gal}{day}}{1,440 \frac{min}{day}} \times 20 \text{ min} / 7.48 = 2,228 \text{ cu. ft}$$



There is one (1) chlorine contact basin, 240 sq ft x 10.5 ft SWD.

$$240 \text{ sq. ft} \times 10.5 \text{ ft} = 2,520 \text{ cu. ft}$$

## 5. Aerobic Digesters

Design criteria require digester basins to be sized based on 15-day solids retention time.

Total Solids Loading to Digester:

$$0.3 \text{ MGD} \times 1.0 \frac{\text{lb}}{\text{lb}} \times 250 \frac{\text{mg}}{\text{l}} \times 8.34 \frac{\text{cu. ft}}{\text{gal}} = 626 \frac{\text{lb}}{\text{day}}$$

VSS Loading to Digesters:

$$0.7 \times 626 \frac{\text{lb}}{\text{day}} = 438 \frac{\text{lb}}{\text{day}}$$

Non-Volatile Solids:

$$626 \frac{\text{lb}}{\text{day}} - 438 \frac{\text{lb}}{\text{day}} = 188 \frac{\text{lb}}{\text{day}}$$

Volatile Solids Required:

$$438 \frac{\text{lb}}{\text{day}} \times 0.3 = 131 \frac{\text{lb}}{\text{day}}$$

Solids Capacity Required:

$$438 \frac{\text{lb}}{\text{day}} + 188 \frac{\text{lb}}{\text{day}} - 131 \frac{\text{lb}}{\text{day}} = 494 \frac{\text{lb}}{\text{day}}$$

$$494 \frac{\text{lb}}{\text{day}} \times 15 \text{ days} = 7,410 \text{ lbs}$$

Total Digester Capacity Required:

$$7,410 \text{ lbs} / 0.02 / 8.34 \frac{\text{lb}}{\text{gal}} / 7.48 \frac{\text{gal}}{\text{cu. ft.}} = 5,939 \text{ cu. ft.}$$

There are two (2) digesters, with an area of 360 sq ft x 10.5 ft SWD.

$$360 \text{ sq. ft} \times 10.5 \text{ ft} = 3,780 \text{ cu. ft}$$
$$2 \text{ units} \times 3,780 \text{ cu. ft} = 7,560 \text{ cu. ft}$$

## **Phase II- 0.65 MGD:**

### **6. Influent Flow**

Average Daily Flow      0.65 mgd  
2-hour Peak Flow        2.6 mgd  
Influent BOD            250 mg/l

Solids Loading            1,355 lb BOD<sub>5</sub>/day  
$$250 \frac{mg}{l} \times 0.65 \text{ mgd} \times 8.34 \frac{cu. ft}{gal} = 1,355 \frac{lbBOD5}{day}$$

### **7. Aeration Basins**

Design criteria allow a maximum BOD<sub>5</sub> loading of 35 lb BOD<sub>5</sub>/day per 1,000 cu ft of capacity.

$$1,355 \frac{lbBOD5}{day} / (35 \frac{lbBOD5}{day} / 1,000cu. ft) = 38,721 cu. ft$$

Two (2) aeration basins, each with an area of 1,200 sq ft x 16.50 ft SWD.

$$1,200 sq. ft \times 16.50 ft = 19,800cu. ft$$
$$2 units \times 19,800 cu. ft = 39,600 cu. ft$$

### **8. Clarifier**

Design requirements are 1,200 gal/day per sq ft at peak flow.

$$2,600,000 \frac{gal}{day} / 1,200 \frac{gal}{day} / sq. ft = 2,167sq. ft$$

There is one (1) clarifier, 2,290 sq ft x 12.5ft SWD.

$$2,290 sq. ft \times 12.5 ft = 28,628 cu. ft$$

### **9. Chlorine Contact Basin**

Design requirements are 20 minutes contact time at peak flow (gpm).

$$\frac{2,600,000 \frac{gal}{day}}{1,440 \frac{min}{day}} \times 20 min / 7.48 = 4,828 cu. ft$$

There is one (1) chlorine contact basin, 600 sq ft x 8.5 ft SWD.

$$600 \text{ sq. ft} \times 8.5 \text{ ft} = 5,100 \text{ cu. ft}$$

## 10. Aerobic Digesters

Design criteria require digester basins to be sized based on 15-day solids retention time.

Total Solids Loading to Digester:

$$0.65 \text{ MGD} \times 1.0 \frac{\text{lb}}{\text{lb}} \times 250 \frac{\text{mg}}{\text{l}} \times 8.34 \frac{\text{cu. ft}}{\text{gal}} = 1,355 \frac{\text{lb}}{\text{day}}$$

VSS Loading to Digesters:

$$0.7 \times 1,355 \frac{\text{lb}}{\text{day}} = 949 \frac{\text{lb}}{\text{day}}$$

Non-Volatile Solids:

$$1,355 \frac{\text{lb}}{\text{day}} - 949 \frac{\text{lb}}{\text{day}} = 407 \frac{\text{lb}}{\text{day}}$$

Volatile Solids Required:

$$949 \frac{\text{lb}}{\text{day}} \times 0.3 = 285 \frac{\text{lb}}{\text{day}}$$

Solids Capacity Required:

$$949 \frac{\text{lb}}{\text{day}} + 407 \frac{\text{lb}}{\text{day}} - 285 \frac{\text{lb}}{\text{day}} = 1,071 \frac{\text{lb}}{\text{day}}$$

$$1,071 \frac{\text{lb}}{\text{day}} \times 15 \text{ days} = 16,060 \text{ lbs}$$

Total Digester Capacity Required:

$$16,060 \text{ lbs} / 0.02 / 8.34 \frac{\text{lb}}{\text{gal}} / 7.48 \frac{\text{gal}}{\text{cu. ft.}} = 12,872 \text{ cu. ft.}$$

There are two (2) digesters, with an area of 480 sq ft x 16.5 ft SWD.

$$480 \text{ sq. ft} \times 16.5 \text{ ft} = 7,920 \text{ cu. ft}$$
$$2 \text{ units} \times 7,920 \text{ cu. ft} = 15,840 \text{ cu. ft}$$

### **Phase III- 1.125 MGD:**

#### **11. Influent Flow**

Average Daily Flow      1.125 mgd  
2-hour Peak Flow        4.5 mgd  
Influent BOD              250 mg/l

Solids Loading              2,346 lb BOD<sub>5</sub>/day  
$$250 \frac{mg}{l} \times 1.125 \text{ mgd} \times 8.34 \frac{cu. ft}{gal} = 2,346 \frac{lbBOD_5}{day}$$

#### **12. Aeration Basins**

Design criteria allow a maximum BOD<sub>5</sub> loading of 35 lb BOD<sub>5</sub>/day per 1,000 cu ft of capacity.

$$2,346 \frac{lbBOD_5}{day} / (35 \frac{lbBOD_5}{day} / 1,000 cu. ft) = 67,018 cu. ft$$

Four (4) aeration basins, each with an area of 1,200 sq ft x 16.50 ft SWD.

$$1,200 sq. ft \times 16.50 ft = 19,800 cu. ft$$
$$4 units \times 19,800 cu. ft = 79,200 cu. ft$$

#### **13. Clarifier**

Design requirements are 1,200 gal/day per sq ft at peak flow.

$$4,500,000 \frac{gal}{day} / 1,200 \frac{gal}{day} / sq. ft = 3,750 sq. ft$$

There are Two (2) clarifiers, 2,290 sq ft x 12.5ft SWD.

$$2,290 sq. ft \times 12.5 ft = 28,628 cu. ft$$
$$2 units \times 28,628 cu. ft = 57,255 cu. ft$$

#### **14. Chlorine Contact Basin**

Design requirements are 20 minutes contact time at peak flow (gpm).

$$\frac{4,500,000 \frac{gal}{day}}{1,440 \frac{min}{day}} \times 20 min / 7.48 = 4,828 cu. ft$$



There are two (2) chlorine contact basin, 600 sq ft x 8.5 ft SWD.

$$\begin{aligned}600 \text{ sq. ft} \times 8.5 \text{ ft} &= 5,100 \text{ cu. ft} \\2 \text{ units} \times 5,100 \text{ cu. ft} &= 10,200 \text{ cu. ft}\end{aligned}$$

## 15. Aerobic Digesters

Design criteria require digester basins to be sized based on 15-day solids retention time.

Total Solids Loading to Digester:

$$1.125 \text{ MGD} \times 1.0 \frac{\text{lb}}{\text{lb}} \times 250 \frac{\text{mg}}{\text{l}} \times 8.34 \frac{\text{cu. ft}}{\text{gal}} = 2,346 \frac{\text{lb}}{\text{day}}$$

VSS Loading to Digesters:

$$0.7 \times 2,346 \frac{\text{lb}}{\text{day}} = 1,642 \frac{\text{lb}}{\text{day}}$$

Non-Volatile Solids:

$$2,346 \frac{\text{lb}}{\text{day}} - 1,642 \frac{\text{lb}}{\text{day}} = 704 \frac{\text{lb}}{\text{day}}$$

Volatile Solids Required:

$$1,642 \frac{\text{lb}}{\text{day}} \times 0.3 = 493 \frac{\text{lb}}{\text{day}}$$

Solids Capacity Required:

$$1,642 \frac{\text{lb}}{\text{day}} + 704 \frac{\text{lb}}{\text{day}} - 493 \frac{\text{lb}}{\text{day}} = 1,853 \frac{\text{lb}}{\text{day}}$$

$$1,853 \frac{\text{lb}}{\text{day}} \times 15 \text{ days} = 27,796 \text{ lbs}$$

Total Digester Capacity Required:

$$27,796 \text{ lbs} / 0.02 / 8.34 \frac{\text{lb}}{\text{gal}} / 7.48 \frac{\text{gal}}{\text{cu. ft.}} = 22,278 \text{ cu. ft.}$$

There are four (4) digesters, with an area of 480 sq ft x 16.5 ft SWD.

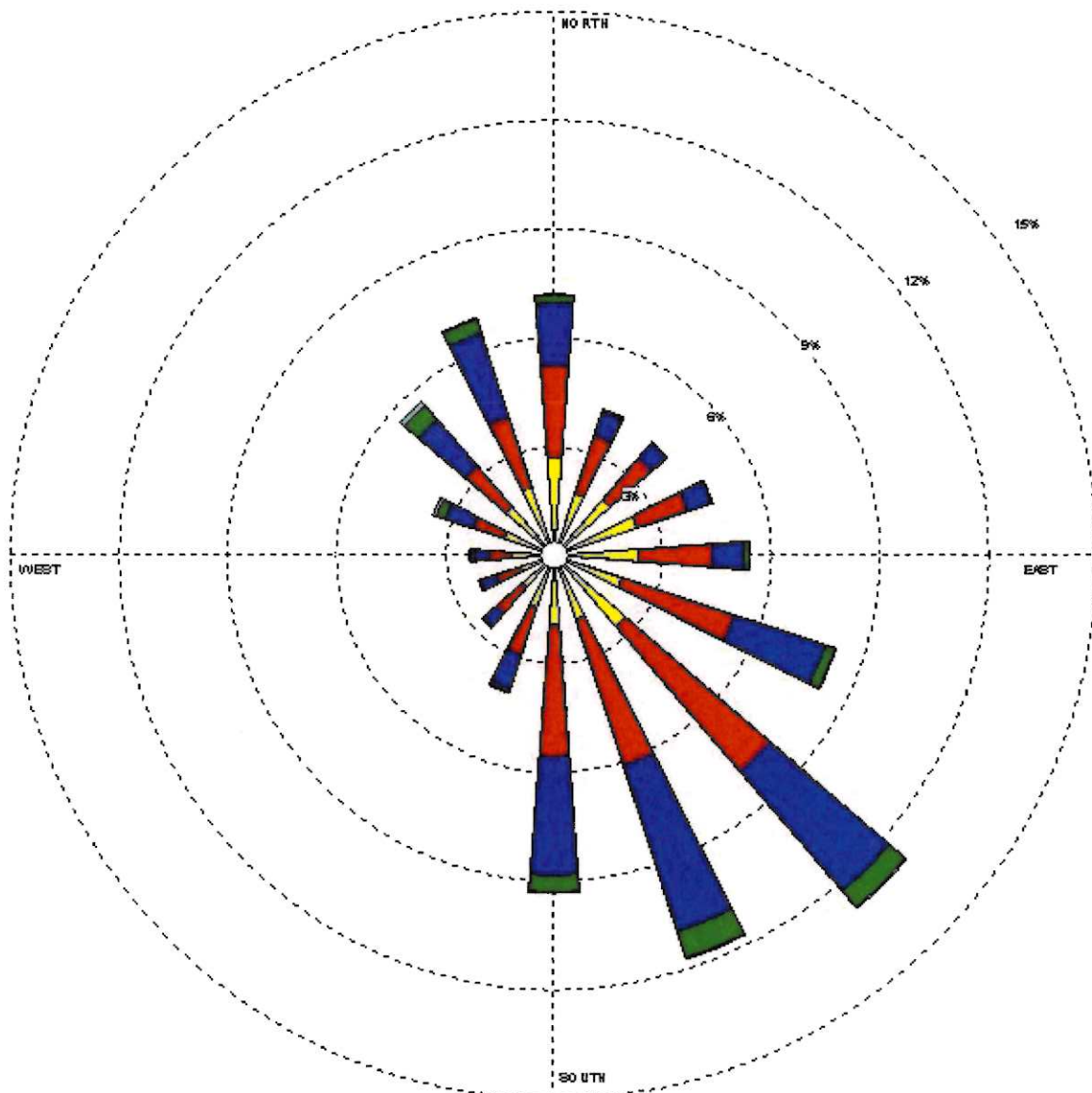
$$\begin{aligned}480 \text{ sq. ft} \times 16.5 \text{ ft} &= 7,920 \text{ cu. ft} \\4 \text{ units} \times 7,920 \text{ cu. ft} &= 31,680 \text{ cu. ft}\end{aligned}$$


## **Attachment 11 – Wind Rose**

Corresponds to Domestic Technical Report 1.1, Item 5.b, Page 26

# 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> 4.68 m/s	<b>CALM WINDS</b> 4.93%	
	<b>ORIENTATION</b> Direction (blowing from)	<b>PLOT YEAR-DATE-TIME</b> 1961 Mar 1 - Mar 31 Midnight - 11 PM	

## **Attachment 12 – Sewage Sludge Solids Management Plan**

Corresponds to Domestic Technical Report 1.1, Item 7, Page 27



## **Attachment 12 - Sewage Sludge Solids Management Plan**

Corresponds to Domestic Technical Report 1.0, Item 7, Page 27

### **Phase I – 0.3 MGD:**

Influent Design Flow = 0.3 MGD  
Influent BOD Concentration = 250 mg/l  
Aerobic Digester Volume:  
2 units - 30 ft x 12 ft x 10.5 ft  
7,560 cu ft total capacity

Aeration Basin MLSS: 1,500 mg/l to 3,000 mg/l

### ***Sludge Production***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Pounds of Influent BOD <sub>5</sub> (lbs/day)	626	469	313	156
Pounds of Dry Sludge Produced (lbs/day)	197	148	99	49
Pounds of Wet Sludge Produced (lbs/day)	9,850	7,400	4,950	2,450
Pounds of Wet Sludge Produced (gal/day)	1,181	887	594	294

\*Assuming 0.315 pounds of dry sludge produced per pound of influent BOD<sub>5</sub> at average temperatures and 2.0% solids concentration in the digester.

### ***Sludge Removal Schedule***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Days Between Sludge Removal	45	60	89	179

### **Description of procedure and method of solids removal:**

After organic reduction and sludge stabilization occurs in the digesters, sludge will be removed by a registered hauler to a registered site.

## **Phase II – 0.65 MGD:**

Influent Design Flow = 0.65 MGD

Influent BOD Concentration = 250 mg/l

Aerobic Digester Volume:

2 units - 40 ft x 12 ft x 16.5 ft

15,840 cu ft total Capacity

Aeration Basin MLSS: 1,500 mg/l to 3,000 mg/l

### ***Sludge Production***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Pounds of Influent BOD <sub>5</sub> (lbs/day)	1,355	1,016	678	339
Pounds of Dry Sludge Produced (lbs/day)	427	320	213	107
Pounds of Wet Sludge Produced (lbs/day)	28,431	21,323	14,215	7,108
Pounds of Wet Sludge Produced (gal/day)	3,409	2,557	1,704	852

\*Assuming 0.315 pounds of dry sludge produced per pound of influent BOD<sub>5</sub> at average temperatures and 2.5% solids concentration in the digester.

### ***Sludge Removal Schedule***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Days Between Sludge Removal	45	60	89	179

### **Description of procedure and method of solids removal:**

After organic reduction and sludge stabilization occurs in the digesters, sludge will be removed by a registered hauler to a registered site.

**Phase III – 1.125 MGD:**

Influent Design Flow = 1.125 MGD

Influent BOD Concentration = 250 mg/l

Aerobic Digester Volume:

4 units - 40 ft x 12 ft x 16.5 ft

22,278 cu ft total Capacity

Aeration Basin MLSS: 1,500 mg/l to 3,000 mg/l

***Sludge Production***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Pounds of Influent BOD <sub>5</sub> (lbs/day)	2,346	1,760	1,173	587
Pounds of Dry Sludge Produced (lbs/day)	739	554	369	185
Pounds of Wet Sludge Produced (lbs/day)	49,224	36,918	24,612	12,306
Pounds of Wet Sludge Produced (gal/day)	5,902	4,427	2,951	1,476

\*Assuming 0.315 pounds of dry sludge produced per pound of influent BOD<sub>5</sub> at average temperatures and 2.5% solids concentration in the digester.

***Sludge Removal Schedule***

<b>Solids Generated &amp; Removed Schedule</b>	<b>100% Flow</b>	<b>75% Flow</b>	<b>50% Flow</b>	<b>25% Flow</b>
Days Between Sludge Removal	45	60	89	179

**Description of procedure and method of solids removal:**

After organic reduction and sludge stabilization occurs in the digesters, sludge will be removed by a registered hauler to a registered site.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

### FOR AGENCIES REVIEWING DOMESTIC 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)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

**Do not refer to a response of any item in the permit application form.** Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Fort Bend County Municipal Utility District No. 210

Permit No. WQ00 \_\_\_\_\_

EPA ID No. TX \_\_\_\_\_

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

The facility is located approximately 4,700 ft east of the Beadle Lane and Stratman Road intersection in Fulshear within Fort Bend County.



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: Elizabeth Byrd

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

Title: Project Manager

Mailing Address: 10777 Westheimer Rd, Suite 400

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

Phone No.: 713-488-8396 Ext.:                      Fax No.: 713-488-8250

E-mail Address: ebyrd@bgeinc.com

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

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 WWTP will discharge to the detention basin approximately 150' to the east of the facility, thence to proposed mitigation channel; thence to the Brazos River.

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report). (SEE ATTACHMENT 3)

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

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

The complete plant will be approximately 7 acres

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

The plant site will be cleared.

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

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

N/A

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

Land previously used for agricultural use.



May 1, 2024

Texas Commission on Environmental Quality (TCEQ)  
12100 Park 35 Circle  
Austin, Texas 78735

Attn: Rachel Ellis  
Applications Review and Processing Team (MC 148)  
Water Quality Division  
Texas Commission on Environmental Quality

Re: Application for Proposed Permit No. WQ0016508001 (EPA I.D. No. TX0145807)  
Fort Bend County Municipal Utility District No. 210 (CN606245215)  
Fort Bend County MUD NO 210 WWTP (RN111944138)  
Type of Application: New

Dear Ms. Ellis:

We received the notice of deficiency, dated April 19, 2024 with comments for the referenced Fort Bend County Municipal Utility District No. 210 New Permit Application (Permit No. WQ0016508001). The following are our proposed resolutions to each comment:

1. **Administrative Report 1.0, Section 12, Miscellaneous Information:** This section was not provided. Please submit this section with response to this letter.

**RESPONSE:** The requested Administrative Report 1.0, Section 12, Miscellaneous Information has been attached to this response letter by email.

2. **Plain Language Summary, (English and Spanish), Public Involvement Plan forms:** We received these documents however, the flow listed is 300,000 gallons. The Technical Report listed, and fee paid are for 1,125,000 gallons. Please revised these pages and resubmit.

**RESPONSE:** The correct flow is 1,125,000 gallons. The Plain Language Summary (English and Spanish) and the Public Involvement Plan forms have been revised and attached to this response letter by email.

3. **Map:** We have received the map; however, the map is lacking the discharge point and discharge route. Please revise the map and return as a response to this letter.

**RESPONSE:** The USGS maps attached have been revised to clarify the discharge point and discharge route. The discharge point is labeled and shown in green, and the discharge route has been highlighted until the 3-mile downstream marker.

4. **Core Data Form (CDF), Section III, item 25:** Please confirm the address of the treatment facility. When mapping the location of the facility the city and zip code are as, Rosenberg, Texas 77471. The CDF item 25 listed, Fulshear, Texas 77406. Please confirm the city/zip code with response to this letter

**RESPONSE:** The core data form was revised to include the correct city/zip code as Rosenberg, Texas 77471 and is attached to this response letter by email.

5. 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.

APPLICATION. Fort Bend County Municipal Utility District No. 210, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, which own(s) a wastewater treatment plant, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016508001 (EPA I.D. No. TX0145807) to authorize the discharge of treated wastewater at a volume not to exceed an annual average flow of 1,125,000 gallons per day. The domestic wastewater facility will be located at approximately 4,700 feet east of the intersection of Beadle Lane and Stratman Road, in the city of **Rosenberg**, in Fort Bend County, Texas **77471**. The discharge route will be from the plant site to (pending rwa). TCEQ received this application on March 22, 2024. The permit application will be available for viewing and copying at Fort Bend County-George Memorial **Library**, Front Desk, 1001 Golfview Drive, Richmond, Texas prior to the date this notice is published in the newspaper. 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=-95.84388,29.620278&level=18>

Further information may also be obtained from Fort Bend County Municipal Utility District No. 210 at the address stated above or by calling Ms. Elizabeth Byrd, P.E., Project Manager, at (713) 488-8396.

**RESPONSE:** The portion of the NORI above contained errors which have been noted in red. The facility location should be Rosenberg, Texas, 77471 and the public viewing location name was misspelled it should be corrected to Fort Bend County-George Memorial Library.

6. 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:** The Spanish translated NORI word document has been attached to this Response Letter by email.

7. Please use the attached Plain Language Summary (PLS) Template to provide a plain language summary in English. Please provide the PLS in a Microsoft Word document complete with customer name, facility name, location, type of facility and flow consistent with the application.

**RESPONSE:** The Plain Language Summary (PLS) word document in English has been attached to this Response Letter by email.



8. **Section 8, Item E, Item No. 5 of Administrative Report 1.0** indicates that public notices in Spanish are required. Please use the attached PLS Spanish template to translate the plain language summary into Spanish, complete with customer name, facility name, location, type of facility and flow consistent with the application.

**RESPONSE:** The Plain Language Summary (PLS) word document in Spanish has been attached to this Response Letter by email.

If you have any questions or require additional information, please do not hesitate to call me at (713) 488-8396.

Sincerely,



Elizabeth Byrd, P.E.  
Project Manager

☐ 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:** [REDACTED]

- 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.

[REDACTED]

## Section 11. TLAP Disposal Information (Instructions Page 36)

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

☐ Yes ☐ No

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

[REDACTED]

- B. City nearest the disposal site: [REDACTED]

- C. County in which the disposal site is located: [REDACTED]

- D. Disposal Site Latitude: [REDACTED] Longitude: [REDACTED]

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

[REDACTED]

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

[REDACTED]

## Section 12. Miscellaneous Information (Instructions Page 37)

- 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.

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:

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number:

Amount past due:

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number:

Amount past due:

## Section 13. Attachments (Instructions Page 38)

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 (SEE ATTACHMENT 3)

# Comisión de Calidad Ambiental del Estado de Texas



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

### PERMISO PROPUESTO NO. WQ00\_\_\_\_\_

**SOLICITUD.** Distrito Municipal de Servicios Públicos No. 210 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 el propuesto Permiso No. WQ00 16508001 (EPA I.D. No. TX 0145807) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,125,000 galones por día. La planta está ubicada aproximadamente a 4,700 pies al este de en la intersección de Beadle Lane y Stratman Road, en el Condado de Fort Bend, Rosenberg, Texas 77471. La ruta de descarga es del sitio de la planta a hasta (rwa pendiente). La TCEQ recibió esta solicitud el 22 de marzo de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Fort Bend County-George Memorial Library, recepción, 1000 Golfview Drive, Richmond, Texas antes de la fecha de publicación de este aviso en el periódico. 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=-95.84388,29.620278&level=18>

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

**AVISO 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 todos 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 por qué 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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el 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.

**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. 210 del Condado de Fort Bend a la dirección indicada arriba o llamando a Elizabeth Byrd, P.E., Project Manager al (713) 488-8396.

Fecha de emisión \_\_\_\_\_ *[Date notice issued]*

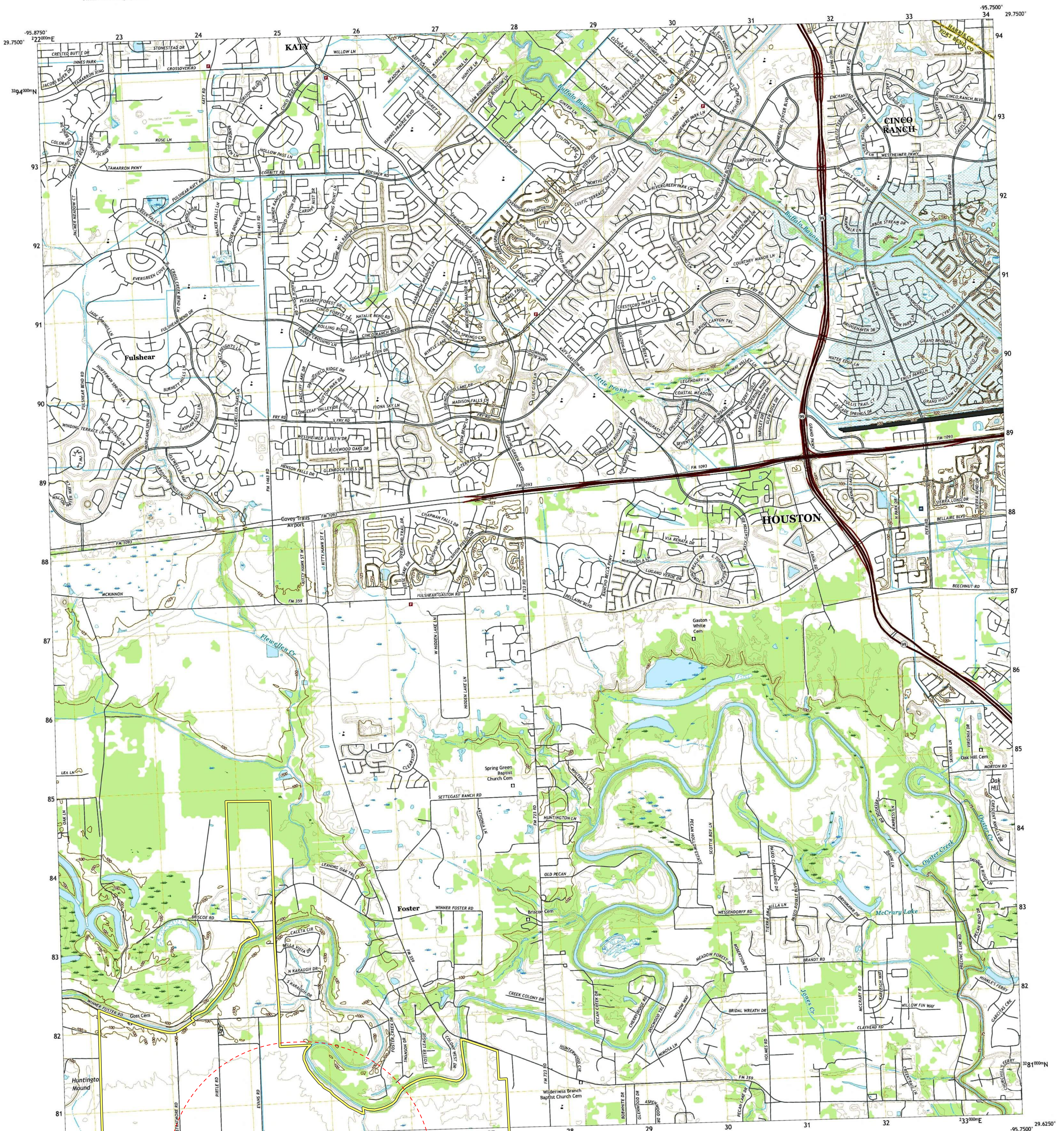




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



RICHMOND NE QUADRANGLE  
TEXAS  
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), Zone 15N  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
ownership may not be shown. Obtain permission before  
entering private lands.

Imagery.....NAIP, September 2016 - November 2016  
Roads.....U.S. Census Bureau, 2015 - 2019  
Names.....GNS, 1979 - 2002  
Hydrography.....National Hydrography Dataset, 2002 - 2018  
Contours.....National Elevation Dataset, 2011 - 2021  
Boundaries.....Multiple sources, see metadata file  
Wetlands.....FWS National Wetlands Inventory, Not available

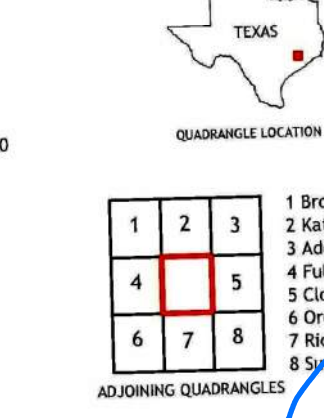
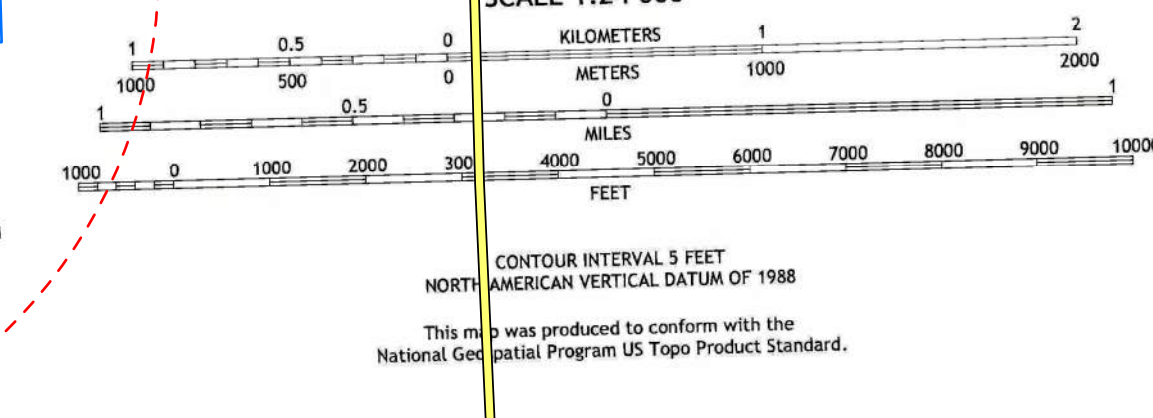
Applicant Boundary (WWTP Site)

Point of Discharge

1 Mile Downstream

UTM GRID AND 2019 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

UTM Zone	UTM Easting	UTM Northing	Magnetic North Declination (Degrees)
15N	22	81	-11.0
15N	23	81	-11.0
15N	24	81	-11.0
15N	25	81	-11.0
15N	26	81	-11.0
15N	27	81	-11.0
15N	28	81	-11.0
15N	29	81	-11.0
15N	30	81	-11.0
15N	31	81	-11.0
15N	32	81	-11.0
15N	33	81	-11.0
15N	34	81	-11.0



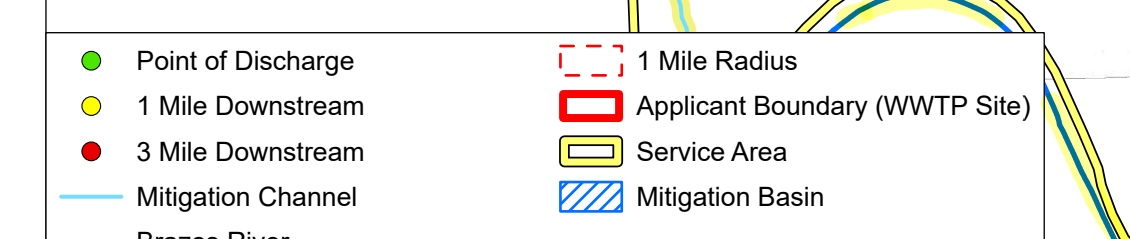
ROAD CLASSIFICATION

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

ADJOINING QUADRANGLES

1	2	3
4	5	6
7	8	9

1 Brookshire  
2 Katy  
3 Addicks  
4 Fulshear  
5 Clondine  
6 Orchard  
7 Richmond  
8 Sugar Land



Fort Bend County Municipal Utility District No. 210

BGE, Inc.  
10777 Westheimer, Suite 500, Houston TX 77042  
Tel: 281-558-8700 Fax: 281-558-9701  
www.bgeinc.com

TPDES New Permit

USGS Quad  
Corresponds to Domestic Administrative  
Report 1.0, Item 13, Page 11  
and Supplemental Permit Information Form  
Item 5, Page 18

Date: March 2024 Proj. No.: 12260-00 Exhibit No.: 3

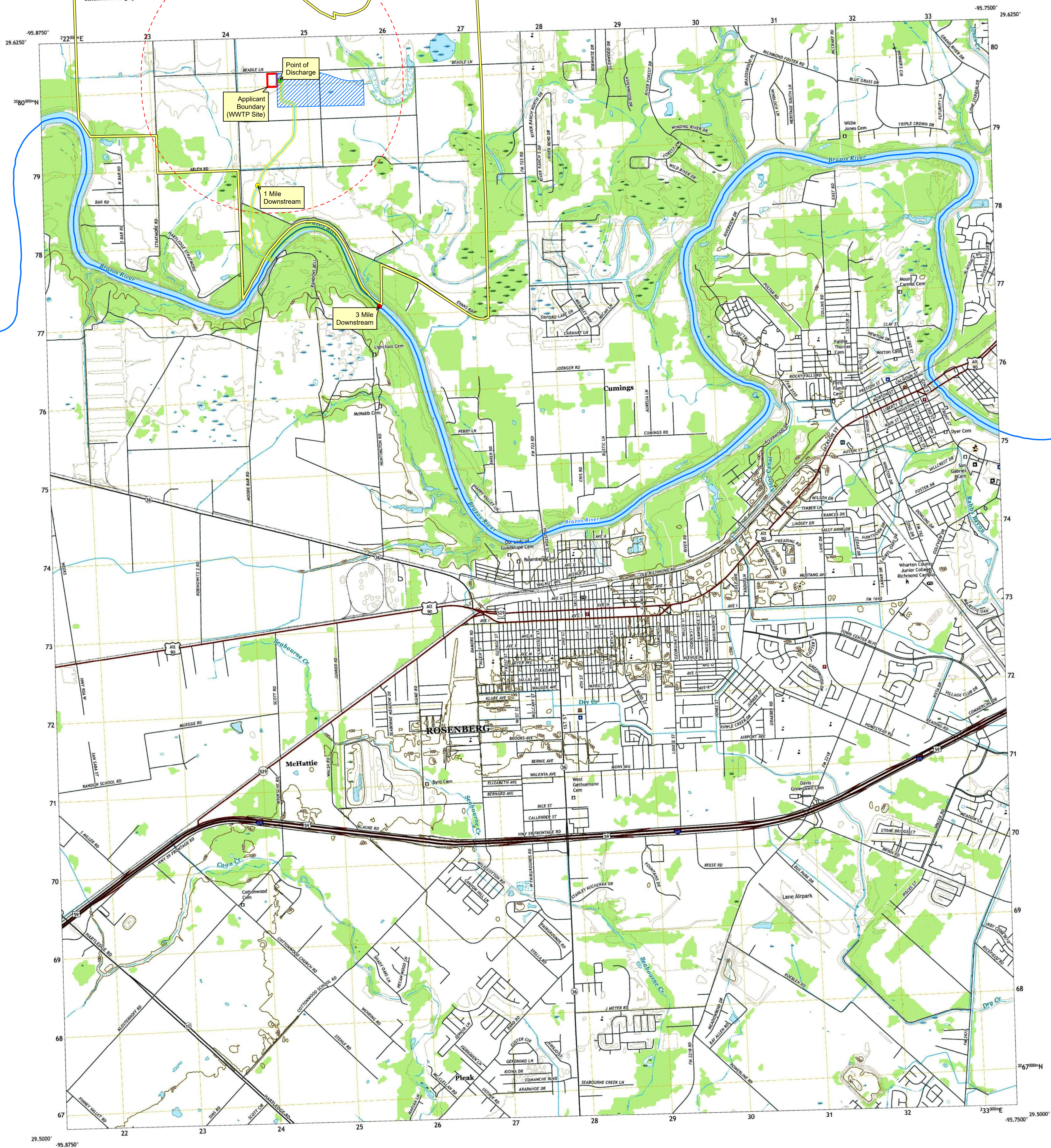




U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY



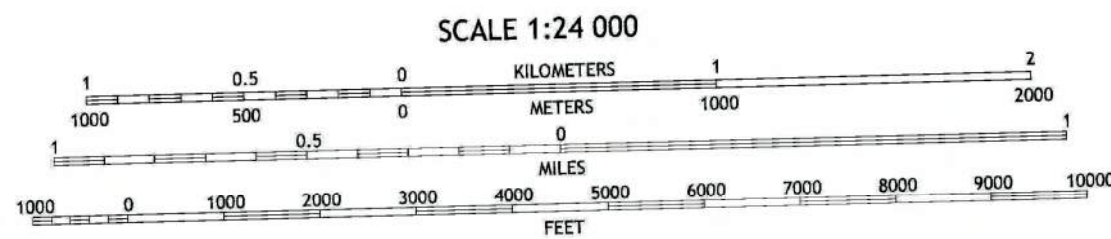
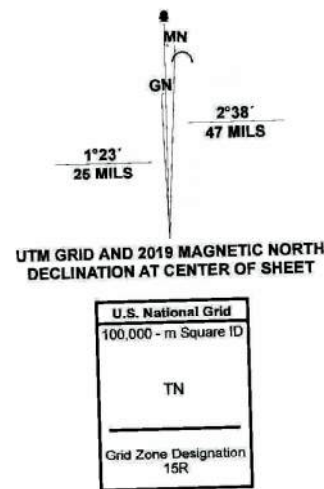
RICHMOND QUADRANGLE  
TEXAS - FORT BEND COUNTY  
7.5-MINUTE SERIES



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84), Projection and  
1 000-meter grid: Universal Transverse Mercator, Zone 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.....NAIP, September 2016 - November 2016  
Roads.....U.S. Census Bureau, 2015  
Names.....National Hydrography Dataset, 1979 - 2022  
Hydrography.....National Elevation Dataset, 2002 - 2018  
Contours.....National Elevation Dataset, 2002 - 2018  
Boundaries.....Multiple sources; see metadata file 2019 - 2021  
Wetlands.....FWS National Wetlands Inventory Not Available



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Fulshear  
2 Richmond NE  
3 Clossline  
4 Orchard  
5 Sugar Land  
6 Kendallton  
7 Needville  
8 Smithers Lake

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

Fort Bend County Municipal Utility District No. 210

BGE, Inc.  
10777 Westheimer, Suite 500, Houston TX 77042  
Tel: 281-558-8700 Fax: 281-558-9701  
www.bgeinc.com

TPDES New Permit

USGS Quad  
Corresponds to Domestic Administrative  
Report 1.0, Item 13, Page 11  
and Supplemental Permit Information Form  
Item 5, Page 18

Date: March 2024 Proj. No.: 12260-00 Exhibit No.: 3



# Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

This template is a guide to assist applicant's in developing a plain language summary as required by [30 Texas Administrative Code Chapter 39 Subchapter H](#). Applicant's may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the blanks below to describe your facility and application. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

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

### DOMESTIC WASTEWATER

*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 No. 210 proposes to operate Fort Bend County Municipal Utility District No. 210 Wastewater Treatment Plant an activated sludge plant that operates in single stage nitrification mode. The facility will be located approximately 4,700 feet east of the Beadle Lane and Stratman Road intersection, in Rosenberg, Fort Bend County, Texas 77471.

This is a new permit application to discharge 1,125,000 gallons per day of treated wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD5), total suspended solids (TSS), ammonia nitrogen (NH3-N), and Escherichia Coli. Domestic wastewater will be treated by an activated sludge process plant and treatment units will include aeration basins, clarifiers, digester basins, and chlorine contact basins.