



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015241001

APPLICATION. Fort Bend County Municipal Utility District No. 143, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015241001 (EPA I.D. No. TX0135305) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 500,000 gallons per day. The domestic wastewater facility is located approximately 0.25 miles north of the intersection of Brandt Road and McCrary Road on the east side of McCrary Road, in Fort Bend County, Texas 77406. The discharge route is from the plant site via pipeline to an unnamed tributary; thence to Jones Creek; thence to Brazos River Below Navasota River. TCEQ received this application on November 5, 2024. The permit application will be available for viewing and copying at Cinco Ranch Branch Library, Reference Desk, 2620 Commercial Center Boulevard, Katy, in Fort Bend County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.769166,29.646388&level=18>

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

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

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the

opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

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

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

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

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

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

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

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

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

Further information may also be obtained from Fort Bend County Municipal Utility District 143 at the address stated above or by calling Mr. Jonathan Nguyen, Quiddity Engineering, at 512-685-5156.

Issuance Date: November 19, 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 RENOVACION

PERMISO NO. WQ0015241001

SOLICITUD. Distrito de servicios públicos municipales 143 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 renovar el Permiso No. WQ0015241001 (EPA I.D. No. TX0135305) 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 500,000 galones por día. La planta está ubicada en el lado este de McCrary Road, a 0.25 millas al norte de la intersección de Brandt Road y McCrary Road, en el Condado de Fort Bend, Texas 77406. La ruta de descarga es del sitio de la planta a un afluente sin nombre; de allí a Jones Creek; de allí al río Brazos debajo del río Navasota. La TCEQ recibió esta solicitud el 5 de noviembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca sucursal Cinco Ranch, mostrador de referencia, 2620 Commercial Center Boulevard, Katy, en el condado de Fort Bend, 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=-95.769166,29.646388&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 todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión. La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas 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 de servicios públicos municipales no. 143 del condado de Fort Bend a la dirección indicada arriba o llamando a Sr. Jonathan Nguyen, Quiddity Engineering, al 512-685-5156.

Fecha de emission: 19 de noviembre de 2024

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. 143 (CN602721409) operates the McCrary Meadows Wastewater Treatment Facility (RN107199325), an activated sludge process plant operated in the single stage nitrification mode. The facility is located about 0.25 miles north of the intersection of Brandt Road and McCrary Road, on the east side of McCrary Road, in Fort Bend County, Texas 77406.

This application is for a renewal to discharge at a daily average flow of 500,000 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*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7, Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine disinfection.

Spanish Translation

Se proporciona el siguiente resumen para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por La Comisión de Calidad Ambiental de Texas según lo exige 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.

Fort Bend County Municipal Utility District No. 143 (CN602721409) opera la McCrary Meadows Wastewater Treatment Facility (RN107199325)), una planta de procesamiento de lodos activados que funciona en el modo de nitrificación de una sola etapa. La instalación está se encuentra a unas 0.25 millas al norte de la intersección de Brandt Road y McCrary Road, en el lado este de McCrary Road, en el condado de Fort Bend, Texas 77406.

Esta solicitud es para una renovación para descargar a un flujo promedio diario de 500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD₅) de cinco días, sólidos suspendidos totales (SST), Amoníaco-Nitrógeno (NH₃-N) y *Escherichia coli*. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen una pantalla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y desinfección con cloro.

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Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 5, 2024

Re: Confirmation of Submission of the Renewal without changes for Private Domestic Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Private Domestic Wastewater authorization.

ER Account Number: ER094863
Application Reference Number: 699543
Authorization Number: WQ0015241001
Site Name: Mccrary Meadows WWTP
Regulated Entity: RN107199325 - Mccrary Meadows WWTP
Customer(s): CN602721409 - Fort Bend County Municipal Utility District 143

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality
Update Domestic or Industrial Individual Permit
WQ0015241001

Site Information (Regulated Entity)

What is the name of the site to be authorized?	MCCRARY MEADOWS WWTP
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	LOCATED ON THE E SIDE OF MCCRARY RD 0.25 MI N OF THE INTERX OF BRANDT RD AND MCCRARY RD
City	RICHMOND
State	TX
ZIP	77406
County	FORT BEND
Latitude (N) (##.#####)	29.646388
Longitude (W) (-###.#####)	-95.769166
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	
Secondary NAICS Code	

Regulated Entity Site Information

What is the Regulated Entity's Number (RN)?	RN107199325
What is the name of the Regulated Entity (RE)?	MCCRARY MEADOWS WWTP
Does the RE site have a physical address?	No

Physical Address

Because there is no physical address, describe how to locate this site:	LOCATED ON THE EAST SIDE OF MCCRARY RD 0.25 MILE NORTH OF THE INTERSECTION OF BRANDT RD AND MCCRARY RD
City	RICHMOND
State	TX
ZIP	77406
County	FORT BEND
Latitude (N) (##.#####)	29.646388
Longitude (W) (-###.#####)	-95.768888
Facility NAICS Code	
What is the primary business of this entity?	

Fort Be-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN602721409
Type of Customer	County Government
Full legal name of the applicant:	
Legal Name	Fort Bend County Municipal Utility District 143
Texas SOS Filing Number	
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	
Local Tax ID	
DUNS Number	
Number of Employees	0-20
Independently Owned and Operated?	
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Fort Bend County Municipal Utility District 143
Prefix	MR
First	Aaaron
Middle	
Last	McCubbin
Suffix	
Credentials	
Title	President, FBCMUD 143
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	3200 SOUTHWEST FWY
Routing (such as Mail Code, Dept., or Attn:)	STE 2600
City	HOUSTON
State	TX
ZIP	77027
Phone (###-###-####)	7138606699
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	HBROOK@ABHR.COM

Billing Contact

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.

Organization Name

CN602721409, Fort Bend County
Municipal Utility District 143

MUNICIPAL ACCOUNTS AND
CONSULTING LP

Prefix

First

Mark

Middle

Last

Burton

Suffix

Credentials

CPA

Title

BOOKKEEPER

Enter new address or copy one from list:

Mailing Address

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

1281 BRITTMOORE RD

Routing (such as Mail Code, Dept., or Attn:)

City

HOUSTON

State

TX

ZIP

77043

Phone (###-###-####)

7133663034

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

7136296859

E-mail

MBURTON@MUNICIPALACCOUNTS
.COM

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name

QUIDDITY ENGINEERING

Prefix

MR

First

JONATHAN

Middle

Last

NGUYEN

Suffix

Credentials

Title

PERMITTING SPECIALIST

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	912 S CAPITAL OF TEXAS HWY
Routing (such as Mail Code, Dept., or Attn:)	SUITE 300
City	WEST LAKE HILLS
State	TX
ZIP	78746
Phone (###-###-####)	5126855156
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jnguyen@quiddity.com

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Application Contact
Organization Name	QUIDDITY ENGINEERING
Prefix	MR
First	JONATHAN
Middle	
Last	NGUYEN
Suffix	
Credentials	
Title	PERMITTING SPECIALIST

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	912 S CAPITAL OF TEXAS HWY
Routing (such as Mail Code, Dept., or Attn:)	SUITE 300
City	WEST LAKE HILLS
State	TX
ZIP	78746
Phone (###-###-####)	5126855156
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jnguyen@quiddity.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report**Forms:**

Same as another contact?

Organization Name

INFRAMARK WATER &
INFRASTRUCTURE SERVICES

Prefix

First

WENDY

Middle

Last

DUNCAN

Suffix

Credentials

Title

ACCOUNT MANAGER

Enter new address or copy one from list:

Mailing Address:

Address Type

Domestic

Mailing Address (include Suite or Bldg. here, if applicable)

2002 W GRAND PKWY N

Routing (such as Mail Code, Dept., or Attn:)

SUITE 100

City

KATY

State

TX

ZIP

77449

Phone (###-###-####)

2815784200

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

WENDY.DUNCAN@INFRAMARK.CO
M

Section 1# Permit Contact

Permit Contact#: 1**Person TCEQ should contact throughout the permit term.**

1) Same as another contact?

CN602721409, Fort Bend County
Municipal Utility District 143

2) Organization Name

Fort Bend County Municipal Utility
District 143

3) Prefix

MR

4) First

Aaaron

5) Middle

6) Last

McCubbin

7) Suffix	
8) Credentials	
9) Title	President, FBCMUD 143
Mailing Address	
10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	3200 SOUTHWEST FWY
11.2) Routing (such as Mail Code, Dept., or Attn:)	STE 2600
11.3) City	HOUSTON
11.4) State	TX
11.5) ZIP	77027
12) Phone (###-###-####)	7138606699
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	HBROOK@ABHR.COM

Owner Information

Owner of Treatment Facility

1) Prefix	
2) First and Last Name	
3) Organization Name	FORT BEND COUNTY MUD NO 143
4) Mailing Address	3200 SOUTHWEST FREEWAY, SUITE 2600
5) City	HOUSTON
6) State	TX
7) Zip Code	77027
8) Phone (###-###-####)	7138606699
9) Extension	
10) Email	HBROOK@ABHR.COM
11) What is ownership of the treatment facility?	Public

Owner of Land (where treatment facility is or will be)

12) Prefix	
13) First and Last Name	
14) Organization Name	FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT 143
15) Mailing Address	3200 SOUTHWEST FREEWAY, SUITE 2600
16) City	HOUSTON
17) State	TX

18) Zip Code	77027
19) Phone (###-###-####)	7138606699
20) Extension	
21) Email	HBROOK@ABHR.COM
22) Is the landowner the same person as the facility owner or co-applicant?	Yes

General Information Renewal-Amendment

1) Current authorization expiration date:	05/29/2025
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal without changes
5) Current Authorization type:	Private Domestic Wastewater
5.1) What is the proposed total flow in MGD discharged at the facility?	0.5
5.2) Select the applicable fee	>= .50 & < 1.0 MGD - Renewal - \$1,615
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0135305
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	RICHMOND TX
6.5) County where the outfalls are located:	FORT BEND
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
6.7) Is the daily average discharge at your facility of 5 MGD or more?	No
7) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	Yes
7.1) List each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application:	JONATHAN NGUYEN

Public Notice Information

Individual Publishing the Notices

1) Prefix	
2) First and Last Name	JONATHAN NGUYEN
3) Credential	
4) Title	PERMITTING SPECIALIST
5) Organization Name	QUIDDITY ENGINEERING

6) Mailing Address	912 S CAPITAL OF TEXAS HWY
7) Address Line 2	SUITE 300
8) City	WEST LAKE HILLS
9) State	TX
10) Zip Code	78746
11) Phone (###-###-####)	5126855156
12) Extension	
13) Fax (###-###-####)	
14) Email	JNGUYEN@QUIDDITY.COM

Contact person to be listed in the Notices

15) Prefix	
16) First and Last Name	JONATHAN NGUYEN
17) Credential	
18) Title	PERMITTING SPECIALIST
19) Organization Name	QUIDDITY ENGINEERING
20) Phone (###-###-####)	5126855156
21) Fax (###-###-####)	
22) Email	JNGUYEN@QUIDDITY.COM

Bilingual Notice Requirements

23) 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
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) 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)?	No
23.4) Which language is required by the bilingual program?	SPANISH

Section 1# Public Viewing Information**County#: 1**

1) County	FORT BEND
2) Public building name	CINCO RANCH BRANCH LIBRARY
3) Location within the building	REFERENCE DESK
4) Physical Address of Building	2620 COMMERCIAL CENTER BLVD
5) City	KATY TX
6) Contact Name	JANNA RAVEN
7) Phone (###-###-####)	2813951311

8) Extension

9) Is the location open to the public?

Yes

Plain Language

1) Plain Language

[File Properties]

File Name

LANG_Municipal TPDES PLS Form - FBCMUD
143 - translated.pdf

Hash

60A1BEF071FAFB60B32015EF14A5E9D652BD9F7336557D9CD77AB6B3D3EDA3C7

MIME-Type

application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name

SPIF_Attachment B - SPIF.pdf

Hash

DB2792E1EC3443278E3F5095CB87EF8D17C6C93FA88D136C0425B409F450D5B7

MIME-Type

application/pdf

Domestic Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name

MAP_Attachment C - USGS Map.pdf

Hash

C07E4B03AE0D3552CB152610B8AC1F8F08D812319BA94211C9B2FB70E0F84853

MIME-Type

application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.

Yes

2.1) I confirm that Worksheet 2.0 (Receiving Waters) is complete and included in the Technical Attachment.

Yes

2.2) Are you planning to include Worksheet 2.1 (Stream Physical Characteristics) in the Technical Attachment?

No

2.3) Are you planning to include Worksheet 4.0 (Pollutant Analyses Requirements) in the Technical Attachment?

No

2.4) Are you planning to include Worksheet 5.0 (Toxicity Testing Requirements) in the Technical Attachment?

No

2.5) Are you planning to include Worksheet 7.0 (Class V Injection Well Inventory/Authorization Form) in the Technical Attachment?

No

2.6) Technical Attachment

[File Properties]

File Name	TECH_Attachment D - Tech Report Worksheets.pdf
Hash	C2E23AF27069C1DB80B741C9B3797E39C70F6C22207077F93CD87BD9244DD65A
MIME-Type	application/pdf

3) Buffer Zone Map

[File Properties]

File Name	BUFF_ZM_Unneeded attachments.pdf
Hash	484CEC15BB168457859F5352AE4508F110E5F3F1876A03CCD295647B7EAD8279
MIME-Type	application/pdf

4) Flow Diagram

[File Properties]

File Name	FLDIA_Attachment E - Schematic.pdf
Hash	9433016613B54AB1F5A8CE6505FCE0F36B77397128CDF8DF163CD8BE9C988A3C
MIME-Type	application/pdf

5) Site Drawing

[File Properties]

File Name	SITEDR_Attachment F - Service area.pdf
Hash	477B4749FE38C07EEF2253C816BAE40AC424B96EF2D4CA7901D5AD9B6CD1D8F0
MIME-Type	application/pdf

6) Design Calculations

[File Properties]

File Name	DES_CAL_Unneeded attachments.pdf
Hash	484CEC15BB168457859F5352AE4508F110E5F3F1876A03CCD295647B7EAD8279
MIME-Type	application/pdf

7) Solids Management Plan

[File Properties]

File Name	SMP_Unneeded attachments.pdf
Hash	484CEC15BB168457859F5352AE4508F110E5F3F1876A03CCD295647B7EAD8279
MIME-Type	application/pdf

8) Water Balance

[File Properties]

File Name	WB_Unneeded attachments.pdf
Hash	484CEC15BB168457859F5352AE4508F110E5F3F1876A03CCD295647B7EAD8279
MIME-Type	application/pdf

9) Other Attachments

[File Properties]

File Name	OTHER_Attachment G - CDF.pdf
Hash	FDB33EADD131126375DC9E8C5BF0054E736E0B6DC4F138BF5F58F42086A9A7CF
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Attachment H - Summary submittal.pdf
Hash	309581891EEA812B86B1DD4488F71E08DD5329EA80DE9716D4ACD74D8432116F
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Attachment I - Restrictive easement.pdf
Hash	7BAD1B0D3529D72CB8F24566F2B9FDAE226F5DE98ECF9ED7DBFFEE923461304D
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Attachment J - Eff Analysis.pdf
Hash	E8271BA5A30AEECD0799C110DCCA49C43F510BD33558ED63846547714C5E9E5A
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Attachment K - sludge info.pdf
Hash	1D5A06DBCD577215FDE948197D587343E2D280DBA2D52BC1D2E7ED648853E58A
MIME-Type	application/pdf

[File Properties]

File Name	OTHER_Attachment L - Notices of completion.pdf
Hash	7C64D7B298855A3CC0A7E627602AFC175430C9265CF8E024CDCC4B2DF43EA2F6
MIME-Type	application/pdf

Certification

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

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.

1. I am Aaron M Mccubbin, the owner of the STEERS account ER108741.

2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0015241001.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Aaron M Mccubbin OWNER

Customer Number:	CN602721409
Legal Name:	Fort Bend County Municipal Utility District 143
Account Number:	ER108741
Signature IP Address:	159.45.129.19
Signature Date:	2024-11-05
Signature Hash:	CBB18FA62BF6C2FACFB71C823F1844D8FA6D116305E76639C8439A1EA31E4EF9
Form Hash Code at time of Signature:	C6D3E44410A1C04FD6056856744253BEB80EB1E9B087BB6A0AE11985EB20DEFF

Fee Payment

Transaction by:	The application fee payment transaction was made by ER094863/Huan J Nguyen
Paid by:	The application fee was paid by JONATHAN NGUYEN
Fee Amount:	\$1600.00
Paid Date:	The application fee was paid on 2024-11-05
Transaction/Voucher number:	The transaction number is 582EA000632922 and the voucher number is 729455

Submission

Reference Number:	The application reference number is 699543
Submitted by:	The application was submitted by ER094863/Huan J Nguyen
Submitted Timestamp:	The application was submitted on 2024-11-05 at 14:17:15 CST
Submitted From:	The application was submitted from IP address 98.6.100.154

Confirmation Number:

The confirmation number is 577389

Steers Version:

The STEERS version is 6.82

Permit Number:

The permit number is WQ0015241001

Additional Information

Application Creator: This account was created by Stephen Barry

ATTACHMENT G

CORE DATA FORM

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 602721409		RN 107199325

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input checked="" 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>					
6. Customer Legal Name (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. 143					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (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					
15. Mailing Address:	3200 Southwest Freeway				
	Suite 2600				
	City	Houston	State	TX	ZIP 77027 ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				hbrook@abhr.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

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

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

25. Description to Physical Location:		Facility is located 0.25 mile north of the intersection of Brandt Road and McCrary Road, on the east side of McCrary Road, in Fort Bend County 77406									
26. Nearest City						State		Nearest ZIP Code			
Richmond						TX		77406			
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>											
27. Latitude (N) In Decimal:						28. Longitude (W) In Decimal:					
Degrees		Minutes		Seconds		Degrees		Minutes		Seconds	
29		38		46.60		-95		46		8.75	
29. Primary SIC Code (4 digits)			30. Secondary SIC Code (4 digits)			31. Primary NAICS Code (5 or 6 digits)			32. Secondary NAICS Code (5 or 6 digits)		
4952						221320					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)											
34. Mailing Address:		2002 West Grand Parkway North									
		Suite 100									
		City	Katy	State	TX	ZIP	77449	ZIP + 4			
35. E-Mail Address:		mike.ammel@inframark.com									
36. Telephone Number				37. Extension or Code				38. Fax Number (if applicable)			
(713) 395-3100								() -			

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.

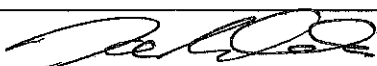
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review 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:
	WQ0015241001			

SECTION IV: Preparer Information

40. Name:	Steve Barry, P.E.			41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(281) 363-4039		() -	sbarry@quiddlty.com		

SECTION V: Authorized Signature

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

Company:	Fort Bend County MUD No. 143		Job Title:	President	
Name (In Print):	AaronM. McCubbin			Phone:	(713) 860- 6499
Signature:				Date:	10 - 11 - 2024

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. 143 (CN602721409) operates the McCrary Meadows Wastewater Treatment Facility (RN107199325), an activated sludge process plant operated in the single stage nitrification mode. The facility is located about 0.25 miles north of the intersection of Brandt Road and McCrary Road, on the east side of McCrary Road, in Fort Bend County, Texas 77406.

This application is for a renewal to discharge at a daily average flow of 500,000 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*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7, Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine disinfection.

Spanish Translation

Se proporciona el siguiente resumen para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por La Comisión de Calidad Ambiental de Texas según lo exige 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.

Fort Bend County Municipal Utility District No. 143 (CN602721409) opera la McCrary Meadows Wastewater Treatment Facility (RN107199325)), una planta de procesamiento de lodos activados que funciona en el modo de nitrificación de una sola etapa. La instalación está se encuentra a unas 0.25 millas al norte de la intersección de Brandt Road y McCrary Road, en el lado este de McCrary Road, en el condado de Fort Bend, Texas 77406.

Esta solicitud es para una renovación para descargar a un flujo promedio diario de 500,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD₅) de cinco días, sólidos suspendidos totales (SST), Amoníaco-Nitrógeno (NH₃-N) y *Escherichia coli*. En la sección 7 del Informe Técnico Nacional 1.0 se incluyen contaminantes potenciales adicionales. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluyen una pantalla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y desinfección con cloro.

ATTACHMENT C

USGS MAP

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

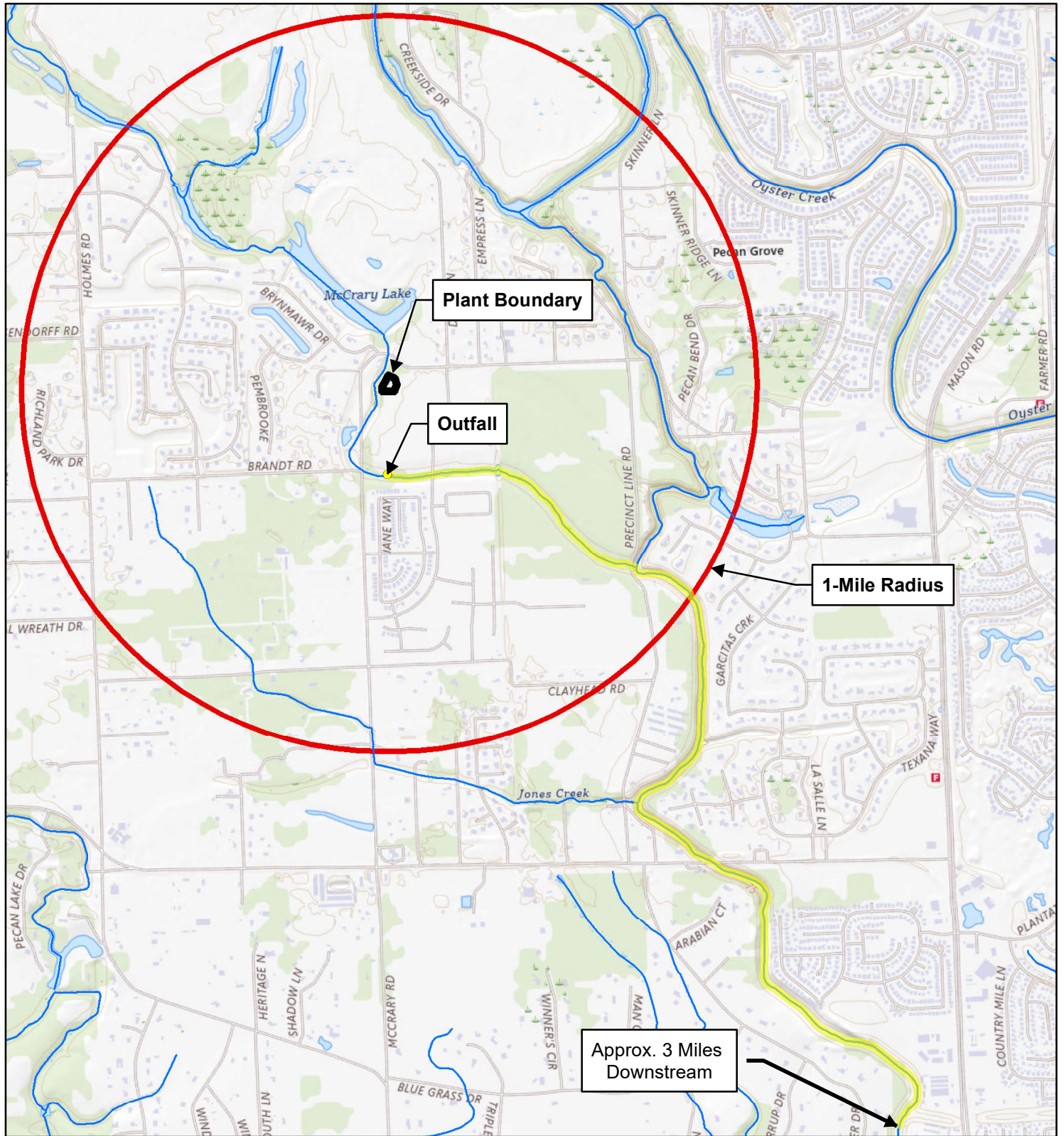
NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

USGS TOPO MAP EXHIBIT



Disclaimer: This product is offered for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property, governmental and/or political boundaries or related facilities to said boundary. No express warranties are made by Quiddity Engineering concerning the accuracy, completeness, reliability, or usability of the information included within this exhibit.



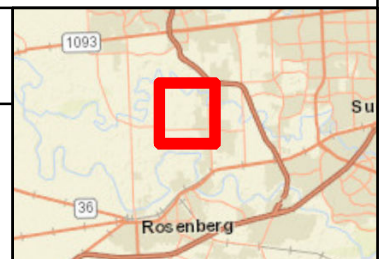
QUIDDITY



1 inch equals 2,000 feet
FORT BEND COUNTY MUD No.143
 FORT BEND COUNTY, TEXAS

LEGEND

- Current Outfall
- Discharge Route
- Streams
- 1 Mile Radius
- Plant Boundary



VICINITY MAP

Scale: 1 inch equals 10 miles

ATTACHMENT B

SUPPLEMENTAL PERMIT INFORMATION FORM

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Fort Bend County Municipal Utility District No. 143

Permit No. WQ00 15241001

EPA ID No. TX 0135305

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

McCrary Wastewater Treatment Facility is located approximately 0.25 mile north of the intersection of Brandt Road and McCrary Road, on the east side of McCrary Road, in Fort Bend County 77406

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

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

First and Last Name: Jonathan Nguyen

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

Title: Permitting Specialist

Mailing Address: 912 S. Capitol of Texas Highway, Suite 300

City, State, Zip Code: Austin, TX 78746

Phone No.: 512-685-5156 Ext.:

Fax No.:

E-mail Address: jnguyen@quiddity.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.

The permittee is the land owner

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The effluent is discharged via a 1,530 feet pipeline to an unnamed tributary, thence to Jones Creek, thence to the Brazos River Below Navasota River in Segment No. 1202 of the Brazos River Basin.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

No future construction is planned

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

The property was used as farmland prior to construction of the existing wastewater treatment plant.

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

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

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

ATTACHMENT D

APPLICATION TECHNICAL REPORTS

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.50

2-Hr Peak Flow (MGD): 2.0

Estimated construction start date: ----

Estimated waste disposal start date: ----

B. Interim II Phase

Design Flow (MGD): ----

2-Hr Peak Flow (MGD): ----

Estimated construction start date: ----

Estimated waste disposal start date: ----

C. Final Phase

Design Flow (MGD): ----

2-Hr Peak Flow (MGD): ----

Estimated construction start date: ----

Estimated waste disposal start date: ----

D. Current Operating Phase

Provide the startup date of the facility: April 2024

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

The existing plant is designed and constructed to treat 0.5 MGD and operate as suspended growth activated sludge process in a single-stage nitrification mode. An influent force main flows to the headworks passing through a manual bar screen, then mixes with return activated sludge and flows through the aeration basins. From the aeration basins, the mixed liquor flows to the secondary clarifiers for clarification. After clarification, the treated effluent flows to the chlorine contact basin for disinfection; and thence to basins for dichlorination. Waste sludge is stabilized in aerobic digesters prior to being liquid hauled for disposal by land application.

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)
Aeration Basins	7	39,479 cu. ft.
Clarifiers	3	3,010 sq. ft.
Chlorine Contact Basin	1	3,936 cu. ft.
Aerobic Digesters	7	35,002 cu. ft.
Dechlorination chambers	2	300 cu. ft.

C. Process Flow Diagram

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

Attachment: See Attachment E

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

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

- Latitude: 29.642385
- Longitude: -95.768230

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

- Latitude: N/A
- Longitude: N/A

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

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

Attachment: See Attachment F

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

The plant serves FBCMUD 143, which is split into tow sections – McCrary Meadows and Waterview Estates

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
FBCMUD 143	FBCMUD 143	Publicly Owned	2,935
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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

A. Summary transmittal

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

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: June 29, 2021

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.**

See Attachment H

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

The permittee bought land to the south of the plant site to satisfy buffer zone requirements (see Attachment I) Land to the east of the plant site is dedicated for road right-of-way

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*.

Notices of Completion for the relocation of the outfall and 0.5 MGD facility can be found in Attachment L

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

Click to enter text.

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

TXR05 Click to enter text. or TXRNE Click to enter text.

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click to enter text.

4. Existing coverage in individual permit

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

☐ Yes ☐ No

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

Click to enter text.

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

Click to enter text.

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

Click to enter text.

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

Click to enter text.

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

Table 1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	3.6	3.6	1	Grab	8/22/24 @ 10:44
Total Suspended Solids, mg/l	11.3	11.3	1	Grab	8/22/24 @ 10:44
Ammonia Nitrogen, mg/l	0.16	0.16	1	Grab	8/22/24 @ 10:44
Nitrate Nitrogen, mg/l	29.2	29.2	1	Grab	8/22/24 @ 10:44

Total Kjeldahl Nitrogen, mg/l	2.2	2.2	1	Grab	8/22/24 @ 10:44
Sulfate, mg/l	35.2	35.2	1	Grab	8/22/24 @10:44
Chloride, mg/l	154	154	1	Grab	8/22/24 @ 10:44
Total Phosphorus, mg/l	5.59	5.59	1	Grab	8/22/24 @ 10:44
pH, standard units	6.48	6.48	1	Grab	8/22/24 @ 10:44
Dissolved Oxygen*, mg/l	6.52	6.52	1	Grab	8/29/24 @ 7:59
Chlorine Residual, mg/l	3.5	3.5	1	Grab	8/29/24 @ 12:40
<i>E.coli</i> (CFU/100ml) freshwater	<1.0	<1.0	1	Grab	8/29/24 @ 12:40
Enterococci (CFU/100ml) saltwater	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	800	800	1	Grab	8/22/24 @ 10:44
Electrical Conductivity, μ mohs/cm, †	N/A	N/A	N/A	N/A	N/A
Oil & Grease, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO ₃)*, mg/l	N/A	N/A	N/A	N/A	N/A

*TPDES permits only

†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Inframark, LLC

Facility Operator's License Classification and Level:

Facility Operator's License Number: OC0000232

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

☐ Design flow \geq 1 MGD

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

C. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Agricultural Land Application	Off-site Third-Party Handler or Preparer	Bulk	60.2	Class B: PSRP Lime Stabilization	Option 6: pH ≥ 12 for 2 hrs and retain at 11.5 for 22 hrs
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): [Click to enter text.](#)

D. Disposal site

Disposal site name: [See Attachment K](#)

TCEQ permit or registration number: [Click to enter text.](#)

County where disposal site is located: [Click to enter text.](#)

E. Transportation method

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

Name of the hauler: [K-3 Resources](#)

Hauler registration number: [22430](#)

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

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

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

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

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

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

[Click to enter text.](#)

B. Temporary storage information

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Provide the following information:

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

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

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

C. Liner information

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

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

E. Groundwater monitoring

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

☐ Yes ☐ No

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

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

Section 12. Authorizations/Compliance/Enforcement (Instructions)

A. Additional authorizations

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

☐ Yes ☒ No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☒ Yes ☐ No

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

☐ Yes ☐ No

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

A TCEQ Docket number (2024-0226-MWD-E) has been issued

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)**A. RCRA hazardous wastes**

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

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

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

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

CERTIFICATION:

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

Printed Name: Aaron M. McCubbin

Title: President, FBCMUD 143

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

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

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

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

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

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

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

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

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

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

[Click to enter text.](#)

C. Sea grasses

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

☐ Yes ☐ No

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

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 64)

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

☐ Yes ☒ No

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

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

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

Name of the immediate receiving waters: unnamed tributary of Jones Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

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

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet:
Click to enter text.

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

B. Flow characteristics

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

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

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

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

C. Downstream perennial confluences

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

Jones Creek, Brazos River

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.

[Click to enter text.](#)

E. Normal dry weather characteristics

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

There was no water in stream 100 feet upstream of outfall. Downstream, the water was clear with some algae present

Date and time of observation: 9/9/2024, 9:00 am

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities

☒ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

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

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

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 89)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

N/A

C. Treatment plant pass through

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

☐ Yes ☒ No

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

N/A

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

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

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

E. Service Area Map

Attach a map indicating the service area of the POTW. The map should include the applicant's service area boundaries and the location of any known industrial users discharging to the POTW. Please see the instructions for guidance.

Attachment: See Attachment F

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

A. Substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

B. Non-substantial modifications

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

☐ Yes ☐ No

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

Click to enter text.

C. Effluent parameters above the MAL

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

Table 6.0(1) – Parameters Above the MAL

Pollutant	Concentration	MAL	Units	Date

D. Industrial user interruptions

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

☐ Yes ☐ No

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

Click to enter text.

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

A. General information

Company Name: No SIUs present

SIC Code: Click to enter text.

Contact name: Click to enter text.

Address: Click to enter text.

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

Telephone number: Click to enter text.

Email address: Click to enter text.

B. Process information

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

Click to enter text.

C. Product and service information

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

Click to enter text.

D. Flow rate information

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

Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

Non-Process Wastewater:

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

Discharge Type: ☐ Continuous ☐ Batch ☐ Intermittent

E. Pretreatment standards

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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

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

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

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

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

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

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

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

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

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

F. Industrial user interruptions

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

☐ Yes ☐ No

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

[Click to enter text.](#)

ATTACHMENT E

FLOW SCHEMATIC(S)

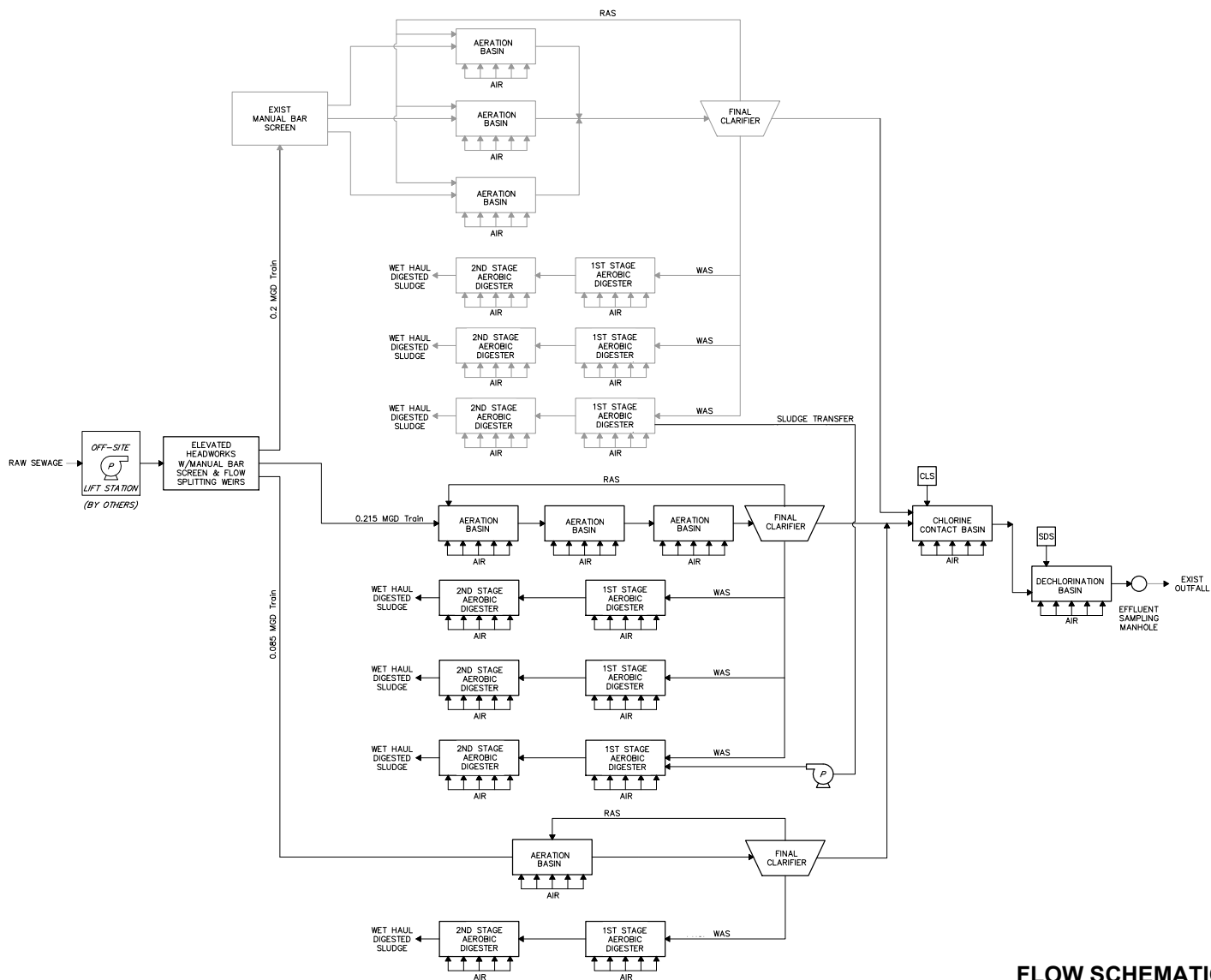
**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



FLOW SCHEMATIC

**FORT BEND COUNTY MUD NO. 143
MC CRARY MEADOWS WWTP
TPDES PERMIT NO. WQ0015241001**



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

ATTACHMENT H

SUMMARY SUBMITTAL LETTERS AND TCEQ APPROVAL LETTERS

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

May 10, 2021

Mr. Louis C. Herrin, III, PE
Texas Commission on Environmental Quality
Water Quality Division - MC 148
Building F, 2nd Floor
12100 Park 35 Circle
Austin, Texas 78753

Re: Chapter 217 Summary Transmittal Letter
Permittee: Fort Bend Municipal Utility District No. 143
Project Name: Wastewater Treatment Plant Expansion to 0.5 MGD
TPDES Permit No.: WQ0015241001
Fort Bend County, Texas

Dear Mr. Herrin:

The purpose of this letter is to provide the TCEQ with the information necessary to comply with the requirements of 30 TAC §217.6 of the TCEQ's rules titled, Design Criteria for Domestic Wastewater Systems. The necessary information includes:

1. *The name and address of the design firm:*
Jones & Carter, Inc.
6330 West Loop South, Suite 150
Bellaire, Texas 77401
Texas Board of Professional Engineers Registration No. F-439
2. *The name, phone number, facsimile number, and email address of the engineer:*
Mr. Connor R. Young, P.E.
Phone: (713) 777-5337
Fax: (713) 777-5976
Email: cryoung@jonescarter.com
3. *The county or counties where the project will be located:*
Fort Bend County, Texas
4. *An identifying name for the project:*
Wastewater Treatment Plant Expansion to 0.5 MGD
5. *The collection system or wastewater treatment facility owner's name, and if applicable, the wastewater treatment facility permit number and wastewater treatment facility name:*
Fort Bend County Municipal Utility District No. 143
c/o Allen Boone Humphries Robinson LLP
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027



Mr. Louis C. Herrin, III, PE
Page 2
May 10, 2021

Attention: Ms. Hannah Brook
Phone: (713) 860-6400
TPDES Permit No. WQ0015241001
Fort Bend County Municipal Utility District No. 143 WWTP

6. *A statement certifying that the plans and specifications are in substantial compliance with all requirements of this chapter, with the exception of any variance requests, which must be listed in the letter:*

The plans and specifications, which describe the project identified in this letter, are in substantial compliance with the applicable TCEQ requirements with the exception of the variances requested in this letter.

7. *A statement certifying that any variances will not threaten public health or the environment, based on the best professional judgment of the engineer who prepared the engineering report and the project plans and specifications:*

The variances proposed will not threaten public health or the environment.

8. *A brief description of the project scope including:*

- A. *A brief engineering summary of the collection system or wastewater treatment facility:*

The proposed project is located at 3860 McCrary Road in Fort Bend County, Texas (Harris County Key Map No. 565-C). The project includes the expansion of a 0.2 MGD ADF leased interim package wastewater treatment plant to 0.5 MGD, and site work.

The wastewater treatment plant scope includes the installation of an elevated steel headworks, one (1) 0.215 MGD ADF leased package wastewater treatment plant train, one (1) 0.085 MGD ADF leased package wastewater treatment plant train (0.3 MGD ADF in added capacity), dechlorination equipment, a diesel generator with automatic transfer switch, and site work. The generator will be capable of operating all critical wastewater treatment plant equipment. The 0.215 MGD ADF package wastewater treatment plant train (Train No. 2) shall include three (3) aeration basins; a final clarifier and (3) aerobic digester basins. The 0.085 MGD ADF package wastewater treatment plant train (Train No. 3) shall include an aeration basin, a final clarifier, and an aerobic digester basin. The proposed expansion shall also include a chlorine contact basin, a non-potable water system; chlorination equipment (chlorine gas); dechlorination equipment (sulfur dioxide gas); walkways, bridges, and handrails; air diffusion equipment; air lifts; thermal mass air flow meters for the RAS and WAS Air lifts; blowers; aboveground interconnecting piping, valves, fittings, supports; hose bibbs; control panels for equipment including the blowers, clarifiers, non-potable water system, chlorination equipment, dechlorination equipment and effluent flow measurement equipment. The proposed chlorine contact basin, non-potable water system; and dechlorination system will serve all existing and proposed trains.

Mr. Louis C. Herrin, III, PE

Page 3

May 10, 2021

- B. A list of every treatment unit or collection system unit that will be altered, constructed, rehabilitated, or re-rated within the project scope:*

Refer to Attachment I for a list of facilities being altered, constructed, rehabilitated, or re-rated.

- C. A map of the collection system or wastewater treatment facility that identifies the location of every treatment unit or collection system unit that will be altered, constructed, rehabilitated, or re-rated within the project scope:*

Refer to Attachment II for an overall layout of the proposed improvements.

- D. A description of all variances from the requirements of this chapter, including the use of non-conforming or innovative technology:*

We request a variance from the requirements of Chapter 217 regarding a channel approach section to a weir requiring a straight length of at least 20 times the expected head on a weir in §217.33(c)(2)(A) for the chlorine contact basin.

We request a variance from the requirements of Chapter 217 regarding draining the screenings and debris from the storage area to the headworks or the influent lift station in §217.123(c).

We request a variance from the requirements of Chapter 217 regarding the diffuser submergence depth in §217.155(b)(5)(A)(i).

We request a variance from the requirements of Chapter 217 regarding the use rounded corners in a chlorine contact basin in §217.281(b)(3).

The proposed design does not include any innovative or nonconforming technologies.

- E. An explanation of the reasons for all variances in accordance with §217.4 of this title (relating to Variances).*

We request a variance from the requirements of Chapter 217 regarding a channel approach section to a weir requiring a straight length of at least 20 times the expected head on a weir in §217.33(c)(2)(A) for the chlorine contact basin. The manufacturer's equipment capabilities allow for a shorter length of run while still maintaining accurate flow measurement in the chlorine contact basin flow measurement chamber. The proposed chlorine contact flow measurement chamber will have a straight run of 9.0 feet (9.0'), resulting in a length of 8.26 times the expected head on the weir. We request a straight run of 8.26 times the expected head on the weir be approved for the chlorine contact basin flow measurement chamber for this project.

Mr. Louis C. Herrin, III, PE
Page 4
May 10, 2021

We request a variance from the requirements of Chapter 217 regarding the diffuser submergence depth in §217.155(b)(5)(A)(i). The preferred design method for wastewater package tanks includes the tanks being welded and coated in a fabricator's shop to ensure optimal conditions for coating applications. Should the tank be assembled and welded on site, the quality of coating application may be reduced due to less than optimal environmental conditions. Due to height restrictions on some highway underpasses, the maximum height for delivered wastewater package tanks is limited. The proposed design will include all necessary basin freeboard, adequate air supply for a lesser submergence and the necessary tankage for a lesser water depth. We request a diffuser submergence of 9.45-feet (9.45') be approved for the aeration basins for this project.

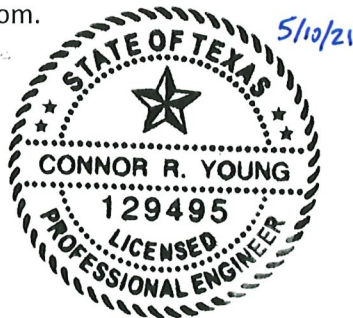
We request a variance from the requirements of Chapter 217 regarding draining the screenings and debris from the storage area to the headworks or the influent lift station in §217.123(c). The influent lift station is located off-site and the headworks will be elevated so the storage area cannot be drained by gravity. A drain with a valve and a drain pit will be installed so that the drainage from the storage area can be controlled. The Operator will have the ability to open the drain valve and pump drainage to the elevated headworks.

We request a variance from the requirements of Chapter 217 regarding the use rounded corners in a chlorine contact basin §217.281(b)(3). The proposed wastewater packaged tank will be fabricated as a rectangular metallic structure. This type of tank is typically welded and cannot be constructed with rounded corners. The proposed chlorine contact basin will be utilized to serve the full plant flow and is sized to provide a minimum detention time of 22.6 minutes at peak flow.

9. *The signature and seal of the engineer responsible for the design of the collection system or wastewater treatment facility.*

The signature and seal of the engineer responsible for the design can be found at the end of this letter.

If you have any questions regarding this project, please contact me at (713) 777-5337 or by email at cryoung@jonescarter.com.



Sincerely,



Connor R. Young, P.E.

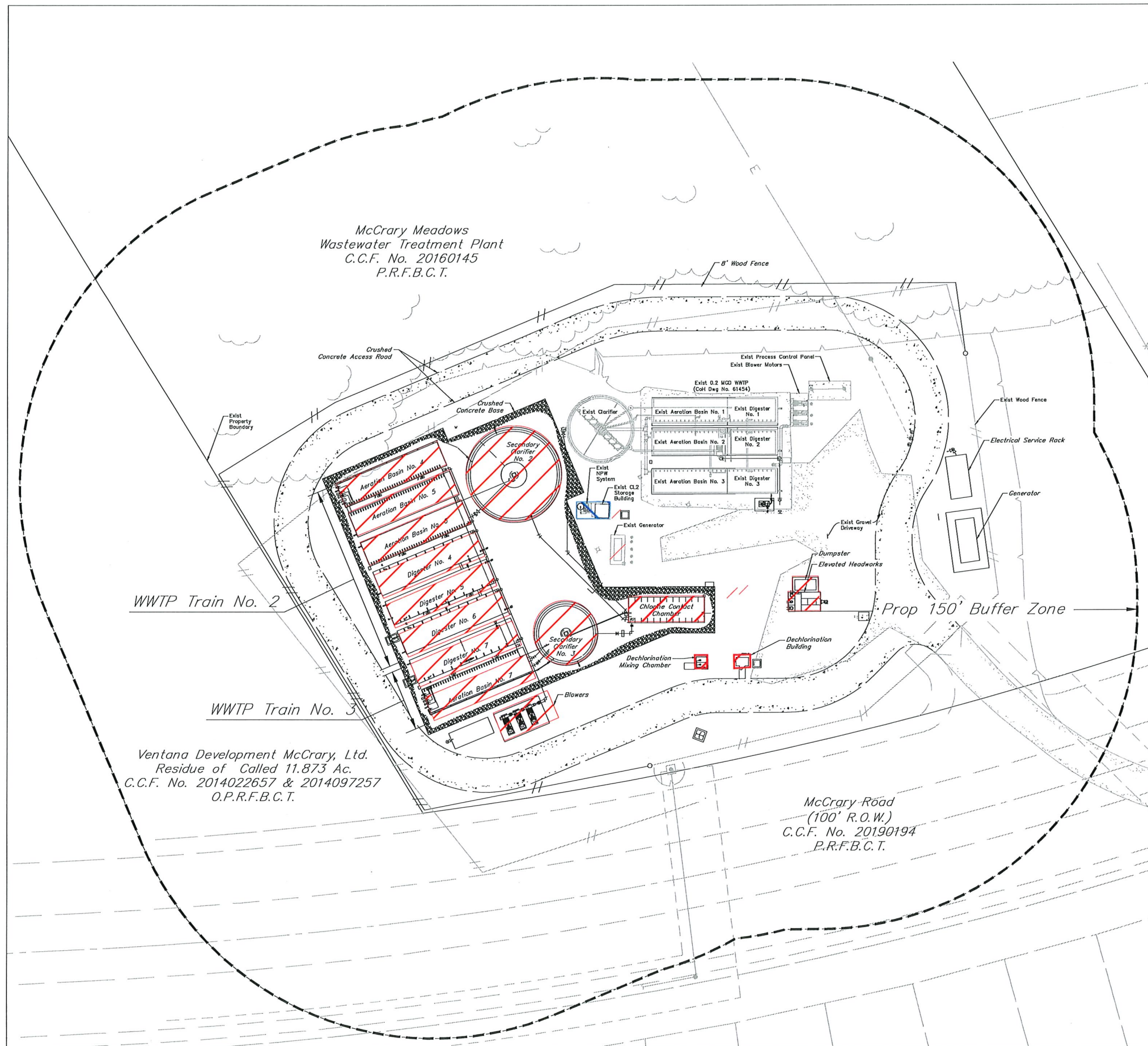
ATTACHMENT I

LIST OF TREATMENT UNITS TO COMPLY WITH TCEQ 217.6 (8) (B)

Below is a list of all of the treatment units that will be altered, constructed, rehabilitated, or re-rated within the project scope:

Wastewater Treatment Plant:

1. Proposed Elevated Steel Headworks with Manual Bar Screen
 - a. Constructed
2. Proposed Aeration Basins (Train No. 2)
 - a. Constructed
3. Proposed Aeration Basins (Train No. 3)
 - a. Constructed
4. Proposed Clarifier (Train No. 2)
 - a. Constructed
5. Proposed Clarifier (Train No. 3)
 - a. Constructed
6. Proposed Chlorine Contact Basin (Train Nos. 1, 2 & 3)
 - a. Constructed
7. Proposed Digesters (Train No. 2)
 - a. Constructed
8. Proposed Digesters (Train No. 3)
 - a. Constructed
9. Proposed Blowers (Train Nos. 2 & 3)
 - a. Constructed
10. Proposed Disinfection System (Train Nos. 1, 2 & 3)
 - a. Constructed
11. Proposed Dechlorination System (Feed Equipment and Induction Pumps)
 - a. Constructed
12. Existing Non-Potable Water System (Train Nos. 1, 2 & 3)
 - a. Altered



ATTACHMENT II FORT BEND COUNTY M.U.D 143 0.5 MGD WASTEWATER TREATMENT PLANT EXPANSION

FORT BEND COUNTY, TEXAS
MARCH 2021

Jon Niermann, *Chairman*
Emily Lindley, *Commissioner*
Bobby Janecka, *Commissioner*
Toby Baker, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

June 29, 2021

Connor R. Young, P.E.
Jones|Carter
6330 West Loop South, Suite 150
Bellaire, TX 77401

Re: Fort Bend County MUD 143
WWTP Expansion to 0.5 MGD
Permit No. WQ0015241-001
WWPR Log No. 0521/068
CN602721409, RN107199325
Fort Bend County

Dear Mr. Young:

Texas Commission on Environmental Quality (TCEQ) received the project summary transmittal letter dated May 10, 2021, and the subsequent submittal of additional project information.

The rules which regulate the design, installation and testing of domestic wastewater projects are found in 30 TAC, Chapter 217, of the Texas Commission on Environmental Quality (TCEQ) rules titled, Design Criteria for Wastewater Systems.

The project proposes the expansion of the existing Fort Bend County Municipal Utility District No. 143 McCrary Meadows Wastewater Treatment Plant (WWTP) from the permitted Interim phase II daily average flow of 0.2 MGD to the final phase daily average flow of 0.5 MGD. The proposed facility will include two (2) proposed package plant trains (Trains Nos. 2 and 3) to expand the capacity of the facility from 0.2 MGD to 0.5 MGD. The proposed plant expansion consists of one (1) 0.215 MGD package plant train and one (1) 0.085 MGD package plant train, which will operate as a suspended activated sludge process in the single-stage nitrification mode. The proposed facilities will include one (1) elevated headworks with a manual bar screen; four (4) aeration basins with coarse bubble aeration; two (2) secondary clarifiers; one chlorine contact basin to accommodate the full plant flow; one (1) gas chlorination system; four (4) aerobic digesters; three (3) multi-stage centrifugal blowers, a sludge transfer pump station, a common dechlorination chamber with two (2) gas dechlorination feed systems and two (2) vacuum feed induction pumps to serve the combined flow from all trains. The Fort Bend County Municipal Utility District No. 143 McCrary Meadows WWTP is regulated by TPDES Permit No. WQ0015241001, which authorizes a final phase daily average flow of 0.5 MGD (2-hr peak flow of 2.0 MGD). The permitted final phase effluent limitations are 10 mg/L of CBOD₅, 15 mg/L of TSS, 3 mg/L of Ammonia Nitrogen, 126 CFU or MPN of *E. coli* per 100 mL, and a minimum dissolved oxygen of 6.0 mg/L. The design influent characteristics concentrations are 275 mg/L of BOD₅, 310 mg/L of TSS, and 64 mg/L of Ammonia Nitrogen.

The plant project consists of the following existing and proposed components:

- Preliminary Treatment Units:
 - Screening. The proposed elevated headworks contains a manual bar screen and bypass channel, each to handle the 2-hr peak flow of 2.0 MGD. The headworks will utilize weirs to split the flow among the three trains after screening.
- Existing Train No. 1: 0.2 MGD capacity
 - Three (3) aeration basins: each 12' x 36' x 10.36' SWD (total volume 13,427 cu ft.)
 - One (1) secondary clarifier: 32' diameter x 10.44' SWD
 - One chlorine contact basin. This basin will be removed and replaced with a common chlorine contact basin to serve Trains Nos. 1, 2 and 3 with a capacity of 2.0 MGD (2-hr peak flow)
 - Three (3) aerobic digesters: each 12' x 24' x 10.36' SWD (total volume 8,951 cu ft)
 - Three (3) blowers: each 1,100 scfm (two duty, one standby)
- Proposed Train No. 2: 0.215 MGD capacity
 - Three (3) aeration basins: each 12' x 52' x 10.44' SWD (total volume 19,544 cu ft)
 - One (1) secondary clarifier: 45' diameter x 10.05' SWD
 - One (1) chlorine contact basin. One common chlorine contact basin to serve Trains Nos. 1, 2 and 3 with a capacity of 2.0 MGD (2-hr peak flow)
 - Three (3) aerobic digesters: each 12' x 52' x 10.44' SWD (total volume 19,543 cu ft)
- Proposed Train No. 3: 0.085 MGD capacity
 - One (1) aeration basin: 12' x 52' x 10.43' SWD (volume 6,508 cu ft)
 - One (1) secondary clarifier: 28' diameter x 10.75' SWD
 - One (1) aerobic digester: 12' x 52' x 10.43' SWD (volume of 6,508 cu ft)
 - Three (3) blowers: 1.850 scfm each (two duty, one standby)
- Proposed Combined Facilities: 0.5 MGD capacity
 - One (1) common chlorine basin to serve Trains Nos. 1, 2, and 3. With a capacity of 2.0 MGD (2-hr peak flow): 12' x 36' x 10.14' SWD (volume 4,198 cu ft)
 - One (1) dechlorination contact chamber to serve Trains Nos. 1, 2, and 3: volume 61.9 cu ft.

The summary transmittal letter also contained the following variance requests from the 30 TAC Chapter 217 rules.

1. The engineer requests a variance from §217.33(c)(2)(A) rules, which require that a channel approach to a weir must be straight for a length at least 20 times the maximum expected head height on a weir at peak flow. The engineer indicates that for the chlorine contact basin, the manufacturer's equipment capabilities allow for a shorter length of run while still maintaining accurate flow measurement in the chlorine contact basin flow measurement chamber. The proposed chlorine contact flow measurement chamber will have a straight run of 9.0 feet, resulting in a length of 8.25 times the expected head on the weir. The engineer requests a straight run of 8.26 times the expected head on the weir be approved for the chlorine contact basin flow measurement chamber for this project. TCEQ is granting this variance.

2. The engineer requests a variance from §217.155(b)(5)(A)(i) rules. The engineer requests that a diffuser submergence of 9.45 feet be approved for the aeration basins for this project. The engineer indicates due to some restrictions on some highway underpasses, the maximum height for delivered prefabricated wastewater package tanks is limited. The proposed design will include all necessary basin free board, adequate air supply for a lesser submergence and the necessary tankage for a lesser water depth. TCEQ is granting this variance.
3. The engineer requests a variance from §217.123(c) rules, which require that a storage area for screenings and debris must drain to the headworks of the wastewater treatment facility or the influent lift station. The engineer indicates the influent lift station is located off-site and the headworks will be elevated so the storage area cannot be drained by gravity. A drain with a valve and a drain pit will be installed so that the drainage from the storage area can be controlled. The operator will have the ability to open the drain valve and pump drainage to the elevated headworks. TCEQ is conditionally granting this variance. The condition is that the proposed drain system does not create nuisance conditions.
4. The engineer requests a variance from §217.281(b)(3) rules, which require that a rectangular chlorine contact basin must have rounded corners. The engineer indicates the proposed wastewater packaged tank will be fabricated as a rectangular metallic structure. This type of tank is typically welded and cannot be constructed with rounded corners. The engineer states the proposed chlorine contact basin will be utilized to serve the full plant flow and is sized to provide a minimum detention time of 22.6 minutes at peak flow. TCEQ is conditionally granting this variance. The condition is that the chlorine contact basin be properly operated and maintained to prevent the formation of dead flow areas.

The TCEQ review of the submitted project information seems to indicate that the project and the approved variances, as designed, seem to meet at least the minimum requirements of 30 TAC 217: Design Criteria for Wastewater Systems. Based on the results of the TCEQ review, this project is conditionally approved for construction. The condition is that all work be completed to Chapter 217 requirements.

You must keep certain materials on file for the life of the project and provide them to TCEQ upon request. These materials include an engineering report, test results, a summary transmittal letter, and the final version of the project plans and specifications. These materials shall be prepared and sealed by a Professional Engineer licensed in the State of Texas and must show substantial compliance with Chapter 217. All plans and specifications must conform to any waste discharge requirements authorized in a permit by the TCEQ. Certain specific items which shall be addressed in the engineering report are discussed in §217.6(d). Additionally, the engineering report must include all constants, graph equations, and calculations needed to show substantial compliance with Chapter 217. The items which shall be included in the summary transmittal letter are addressed in §217.6(d)(1)-(9).

Within 60 days of the completion of construction, an appointed engineer shall notify both the Wastewater Permits Section of the TCEQ and the appropriate Region Office of the date of completion. The engineer shall also provide written certification that all construction, materials, and equipment were substantially in accordance with the approved project, the rules of the TCEQ, and any change orders filed with the TCEQ. All notifications, certifications, and change

Connor R. Young, P.E.

Page 4

June 29, 2021

orders must include the signed and dated seal of a Professional Engineer licensed in the State of Texas.

Please be reminded of 30 TAC §217.7(a) of the rules which states, "Approval given by the executive director or other authorized review authority does not relieve an owner of any liability or responsibility with respect to designing, constructing, or operating a collection system or treatment facility in accordance with applicable commission rules and the associated wastewater permit".

If you have any questions, or if we can be of any further assistance, please call me at (512) 239-4924.

Sincerely,

A handwritten signature in black ink, appearing to read "Baltazar", written over the word "Sincerely,".

Baltazar Lucero-Ramirez, P.E.
Wastewater Permits Section (MC 148)
Water Quality Division
Texas Commission on Environmental Quality

cc: TCEQ, Region 12 Office

ATTACHMENT I

RESTRICTIVE EASEMENTS FOR BUFFER ZONE

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



**SPECIAL WARRANTY DEED
(4.18 Acres)**

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER

**THE STATE OF TEXAS §
 § KNOW ALL BY THESE PRESENTS:
COUNTY OF FORT BEND §**

THAT VENTANA DEVELOPMENT MCCRARY LTD., a Texas limited partnership ("Grantor"), for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, has GRANTED, BARGAINED, SOLD and CONVEYED, and by these presents does GRANT, BARGAIN, SELL and CONVEY unto **FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143**, a political subdivision of the State of Texas, its successors and assigns ("Grantee"), all of that certain tract of real property situated in Fort Bend County, Texas, containing 4.18 acres, as more particularly described in **Exhibit A** and shown on **Exhibit B**, both attached hereto and incorporated herein for all purposes, together with all rights, titles, and interests appurtenant thereto and any and all improvements situated thereon (collectively, the "Property").

This Special Warranty Deed and the conveyance hereinabove set forth are executed by Grantor and accepted by Grantee subject to the terms, conditions and provisions hereof and further subject to all easements, conditions, restrictions, covenants, mineral or royalty interests, mineral reservations, surface waivers, utility conveyances, liens, encumbrances, regulations or orders of municipal and/or other governmental authorities, if any, or other matters of record in Fort Bend County, Texas, to the extent the same are validly existing and applicable to the Property (collectively, the "Permitted Encumbrances").

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereunto in anywise belonging, unto Grantee, its successors and assigns, forever, and Grantor does hereby bind itself, its successors and assigns, to WARRANT AND FOREVER DEFEND, all and singular the title to the Property unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof by, through, or under Grantor, but not otherwise, subject only to the Permitted Encumbrances.

Grantee's address is c/o Allen Boone Humphries Robinson LLP, 3200 Southwest Freeway, Suite 2600, Houston, Texas 77027.

[Signature pages follow this page.]

EXECUTED this 21 day of JUNE, 2024.

GRANTOR:

VENTANA DEVELOPMENT MCCRARY LTD.,
a Texas limited partnership

By: McCrary Road LLC,
a Texas limited liability company,
its General Partner

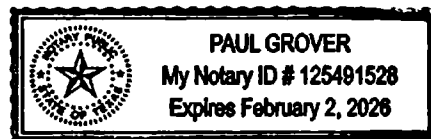
By: [Signature]
Name: JAMES B. GROVER, JR.
Title: CO-MANAGER

THE STATE OF TEXAS §
 §
COUNTY OF FORT BEND §

This instrument was acknowledged before me on the 21 day of JUNE, 2024, by JAMES B. GROVER, JR., CO-MANAGER of McCrary Road LLC, a Texas limited liability company, General Partner of VENTANA DEVELOPMENT MCCRARY LTD., a Texas limited partnership, on behalf of said limited liability company and said limited partnership.

(NOTARY SEAL)


[Signature]
Notary Public, State of Texas




EXECUTED by Grantee on the date set forth in the acknowledgment below, but AGREED to, ACCEPTED, and EFFECTIVE as of the date executed by Grantor.

GRANTEE:

**FORT BEND COUNTY MUNICIPAL
UTILITY DISTRICT NO. 143**

By: 
Name: Aaron M. McCusin
Title: President MUD 143

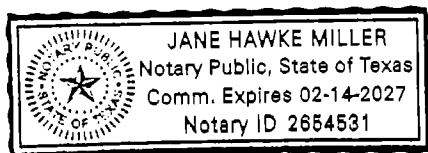
ATTEST:

By: 
Name: Ty Howard
Title: Secretary

THE STATE OF TEXAS §
 §
COUNTY OF Ft. Bend §

This instrument was acknowledged before me on the 21st day of June, 2024, by Aaron McCusin, President, and Ty Howard, Secretary, of the Board of Directors of FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143, a political subdivision of the State of Texas, on behalf of said political subdivision.

(NOTARY SEAL)




Notary Public, State of Texas

Attachments:

Exhibit A – Description of the Property

Exhibit B – Sketch of the Property

After recording, please return to:

Allen Boone Humphries Robinson LLP

3200 Southwest Freeway, Suite 2600

Houston, Texas 77027

Attention: Real Estate Department

Exhibit A - Description of the Property

4.18 Acres

James Knight & W. C. White League, Abstract 46

STATE OF TEXAS §

COUNTY OF FORT BEND §

A **METES & BOUNDS** description of a 4.18 acre tract of land in the James Knight and W. C. White League, Abstract 46, Fort Bend County, Texas, being out of and a part of the residue of that certain called 11.873 acre tract recorded under County Clerk's File Number 2014022657 and 2014097257, Official Public Records, Fort Bend County, Texas, with all bearings based upon the Texas Coordinate System of 1983, South Central Zone, based upon GPS observations.

Beginning at a 5/8 inch iron rod with cap marked "LJA" found for the southeast corner of Restricted Reserve "A" of the adjoining McCrary Meadows Wastewater Treatment Plant, according to map or plat thereof recorded under County Clerk's File Number 20160146, Plat Records, Fort Bend County, Texas, for the northeast corner and **Place of Beginning** of the herein described tract, said point being in the west right-of-way line of McCrary Road Street Dedication Sec 1, according to map or plat thereof recorded under County Clerk's File Number 20190194, Plat Records, Fort Bend County, Texas, said point being in a non-tangent curve to the right;

Thence with said non-tangent curve to the right, being the east line of the herein described tract, same being the west right-of-way line of proposed McCrary Road (100-feet wide), having a central angle of 04 degrees 47 minutes 34 seconds, an arc length of 163.12 feet, a radius of 1,950.00 feet, and a chord bearing South 24 degrees 31 minutes 33 seconds West, 163.07 feet to a 5/8 inch iron rod found at the end of said curve;

Thence South 26 degrees 55 minutes 20 seconds West (adjoiner called South 26 degrees 55 minutes 20 seconds West) continuing along said line, 429.09 feet (adjoiner called 429.09 feet) to a 5/8 inch iron rod with cap marked "LJA" found at the beginning of a curve to the left;

Thence with said curve to the left, continuing along said line, having a central angle of 03 degrees 04 minutes 34 seconds, an arc length of 110.06 feet, a radius of 2,050.00 feet, and a chord bearing South 25 degrees 23 minutes 03 seconds West, 110.05 feet to a 5/8 inch iron rod with cap marked "Weisser" found for corner, said point being the northeast corner of an adjoining called 0.2512 acre tract in deed to Fort Bend County recorded under County Clerk's File Number 2019137552, Official Public Records, Fort Bend County, Texas, said point being in a non-tangent curve to the left;

Thence with said non-tangent curve to the left, being the common line of the herein described tract and said adjoining Fort Bend County tract, having a central angle of 12 degrees 34 minutes 19 seconds, an arc length of 111.90 feet, a radius of 510.00 feet, and a chord bearing South 29 degrees 04 minutes 19 seconds West, 111.68 feet (adjoiner called South 29 degrees 10 minutes 15 seconds West 111.68 feet) to a 5/8 inch iron rod with cap marker "Weisser" found for the southeast corner of the herein described tract, being a reentry corner to said adjoining Fort Bend County tract;

Thence North 67 degrees 00 minutes 35 seconds West (adjoiner called North 67 degrees 06 minutes 55 seconds West) continuing along said line, 71.88 feet (adjoiner called 71.73 feet) to a 5/8 inch iron rod with cap marked "Weisser" found for the southwest corner of the herein described tract, same being the northwest corner of said adjoining Fort Bend County tract, and being in the west line of said called 11.873 acre tract, same being the apparent occupied east right-of-way line of existing McCrary Road (width varies);

4.18 Acres

James Knight & W. C. White League, Abstract 46

Thence North 00 degrees 47 minutes 35 seconds West (called North 00 degrees 47 minutes 06 seconds West) along the west line of the herein described tract and said called 11.873 acre tract, same being the apparent occupied east right-of-way line of existing McCrary Road, 683.91 feet to a 5/8 inch iron rod with cap marked "LJA" found for the northwest corner of the herein described tract, same being the southwest corner of Restricted Reserve "B" of said adjoining McCrary Meadows Wastewater Treatment Plant;

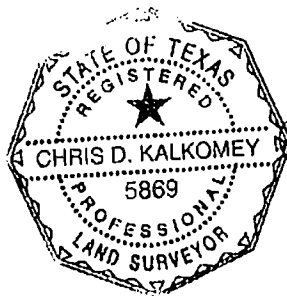
Thence North 87 degrees 54 minutes 17 seconds East (adjoiner called North 87 degrees 54 minutes 28 seconds East) along the north line of the herein described tract, same being the south line of said adjoining McCrary Meadows Wastewater Treatment Plant, 439.35 feet (adjoiner called 439.26 feet) to the **Place of Beginning** and containing 4.18 acres of land, more or less.

For reference and further description see Drawing No. 19868 prepared by the undersigned on same date.

April 16, 2024

Job Number 05256-0900-24

Quiddity Engineering, LLC
2322 W Grand Parkway North, Suite 150
Katy, TX 77449
(281) 342-2033
Texas Board of Professional Land
Surveying Registration No. 10046100




Acting By/Through Chris D. Kalkomey
Registered Professional Land Surveyor
No. 5869
CDKalkomey@quiddity.com

Exhibit B - Sketch of the Property

CURVE	DELTA	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	04°47'34"	1,950.00'	163.12'	S 24°31'33" W	163.07'
C2	05°04'34"	2,050.00'	110.05'	S 25°23'03" W	110.05'
C3	12°34'19"	510.00'	111.90'	S 28°04'19" W	111.88'

(ADJ. CALLED S 28°10'15" W, 111.68')

LINE	BEARING	DISTANCE
L1	S 26°35'20" W	429.09'
	(ADJ. CALLED N 67°00'35" W, 71.88')	
L2	N 67°00'35" W	71.88'
	(ADJ. CALLED N 67°08'53" W, 71.73')	
L3	N 00°47'35" W	683.91'
	(CALLED N 00°47'05" W)	
L4	N 87°54'17" E	439.35'
	(ADJ. CALLED N 87°34'28" E, 439.26')	

NORTH
SCALE: 1" = 100'

GENERAL NOTES

- This tract lies within Zone "X" of the Flood Insurance Rate Map, Community No. 400228, Map Number 48070002L, Panel 0120, Series "A", dated April 2, 2014 for Fort Bend County, Texas and Incorporated Areas. Zone "X" is defined as Special Flood Hazard Areas subject to inundation by the 1% annual chance flood. No base flood elevations determined. Zone "X Shaded" is defined as areas of 0.2% annual chance flood areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile and areas protected by levees from 1% annual chance flood. This flood statement does not imply that the property or structures thereon will be free from flooding or flood damage. On rare occasions floods can and will occur and flood heights may be increased by man-made or natural causes. This flood statement shall not create liability on the part of the engineer.
- The location of the flood zone lines shown herein were determined by reading from said FIRM map. The actual location as determined by elevation contours may differ. Quiddity Engineering, LLC assumes no liability as to the accuracy of the location of the flood zone fields.
- This survey was prepared without the benefit of a current Commitment for Title Insurance or Abstractor's Certification and therefore easements or encumbrances may exist which are not shown herein. No research of the Public Records of Fort Bend County, Texas regarding these easements or encumbrances was performed by Quiddity.
- Boundaries are based upon the Texas Coordinate System of 1983, South Central Zone, based upon GPS observations.
- Fences shown herein are graphic only, with dimensions the shown at specific locations where they were physically measured. The fence line may meander between said measured locations. The dimensions showing the distance between the fence and the property line also indicate which side of the property line the fence is on.
- The surveyor has not been provided with construction plans showing the location of underground utilities. Underground utilities may exist which are not shown herein.
- Only visible improvements / utilities were located with this survey; no subsurface probing, excavation or exploration was performed for this survey.
- This survey does not provide any determination concerning wetlands, but, trees, trees, rocks, or any other environmental issues. Such matters should be checked by the client or prospective purchaser to an expert consultant.
- Development of the subject tract may require additional permits, and/or recording of a plat of subdivision, rules and regulations are established by the governmental agency, which has jurisdiction. These rules and regulations may include dedication of easement, then, easements, easement right-of-way, and other matters.
- Determination of the easement, location, or development of easement related to the Subject Tract fall outside the scope of the survey. Such matters should be checked by the client to an expert consultant.
- For reference and further description, see notes and boundary descriptions, job number 05235-0900-24, prepared by Quiddity Engineering, LLC on same date.

Subject to the General Notes shown:

We, Quiddity Engineering, LLC, acting by and through Chris D. Kalkomey, a Registered Professional Land Surveyor, hereby certify that this survey substantially complies with the current Texas Society of Professional Surveyors Standards and Specifications for a Category 1B, Condition III Survey.

Surveyed: 04-16-2024



Chris D. Kalkomey
Registered Professional Land Surveyor
No. 5869
cdkalkomey@quiddity.com

STANDARD LAND SURVEY

BEING

4.18 ACRES

OUT OF THE

JAMES KNIGHT & W. C. WHITE LEAGUE

ABSTRACT 46

FORT BEND COUNTY, TEXAS

APRIL 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Reg. No. 10046100
2322 W Grand Parkway North, Suite 150 • Katy, TX 77449 • 281.342.2033

SURVEYOR—C.D.K./DRAFTSMAN—P.E.D.

JOB No. 05235-0900-24

DWG. No. 1986B

ATTACHMENT J

FINAL EFFLUENT ANALYSIS

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



Environmental Development Partners
17495 Village Green
Houston, Texas 77040

September 6, 2024

Page 1 of 5

**Permit Renewal
FB MUD 143**

Sample #	W24.12996	W24.13426	W24.13500	
Location	Effluent	Effluent	Effluent	
Type	Grab	Grab	Grab	
Date	8/22/24	8/29/24	8/29/24	
Time	10:44	7:59	12:40	
Samp By	JG	PW	JG	
Date Rec.	8/22/24	8/29/24	8/29/24	
pH* STU	6.48			SM 4500-H+ B
D.O.* mg/L		6.52		SM 4500-O G
Total Chlorine Residual* mg/L			3.5	SM 4500-CL G
E. Coli. MPN/100mL			<1.0	SM 9223 B Colilert
cBOD mg/L	3.6			SM 5210B
TSS mg/L	11.3			SM 2540D
N-NH ₃ mg/L	0.16			SM 4500-NH3D
Chloride mg/L	154			EPA 300.0 Eastex **
Nitrate as N mg/L	29.2			EPA 300.0 Eastex **
Sulfate mg/L	35.2			EPA 300.0 Eastex **
TDS mg/L	800			SM 2540 C Eastex **
TKN mg/L	2.2			EPA 351.2 Eastex **
Total Phosphorus mg/L	5.59			EPA 200.7 Eastex **

* Analysis performed on grab sample at the time of collection.

** Eastex is the subcontracted lab-See attached report.


Rhonda J. Scrogin

Quality Manager

R&C Joy Inc.

In this report the cBOD/BOD, TSS, NH₃ & E. Coli. results relate only to these samples, are accredited analyses, and are in compliance with TNI Standards.
Report shall not be reproduced, except in full, without written approval from laboratory.

QC									
Set ID = Date									
Analysis	Method	Set ID = Date Analyzed	Analyst	MDL	Blank	Samp Type	Samp in Set	Samples Analyzed in Set	QC Smp #
TSS	SM 2540D-2015	8/24/2024	SS/JJ	1	<1	P	10	W24.12960+W24.12962+W24.12973+W24.12983+W24.12988+W24.12996+W24.13006+W24.13008	QC Smp # Dup1 Dup2 %RPD Standard Notes
								W24.13013+W24.13018+W24.13019+W24.13021+W24.13024+W24.13031	W24.13008 1.30 1.30 0.00
								W24.12965+W24.12969+W24.12970+W24.12971+W24.12972+W24.12976+W24.12980+W24.12981+W24.12984	W24.13019 2.60 2.40 8.00
								W24.12966+W24.12985+W24.12986+W24.12987+W24.12991+W24.12992+W24.12993+W24.12994+W24.12998+W24.12999	W24.12965 7050 6550 7.35
								W24.12967+W24.13000+W24.13001+W24.13002+W24.13003+W24.13004+W24.13005+W24.13010+W24.13011+W24.13016	W24.12966 6900 6650 3.69
						P	10	W24.12968+W24.13029+W24.13030+W24.13033+W24.13034+W24.13040+W24.13041+W24.13042+W24.13043+W24.13044	W24.12967 6450 6350 1.56
								W24.13004+W24.13005+W24.13010+W24.13011+W24.13016	108.0/96.0/104/114
								W24.12968+W24.13029+W24.13030+W24.13033+W24.13034+W24.13040+W24.13041+W24.13042+W24.13043+W24.13044	
								W24.13004+W24.13005+W24.13010+W24.13011+W24.13016	
								W24.13027+W24.13045+W24.13046+W24.13047+W24.13051+W24.13052+W24.13058+W24.13059+W24.13060+W24.13061	
						P	10	W24.13052+W24.13058+W24.13059+W24.13060+W24.13061	W24.13027 6700 6650 0.75
								W24.13028+W24.13028+W24.13064+W24.13065	W24.13027 6700 6650 0.75
								W24.13028+W24.13028+W24.13064+W24.13065	W24.13028 6350 6250 1.59
								W24.13028+W24.13028+W24.13064+W24.13065	
								W24.13028+W24.13028+W24.13064+W24.13065	
Set ID = Date									
Analysis	Method	Set ID = Date Analyzed	Analyst	MDL	Blank	Samp Type	Samp in Set	Samples Analyzed in Set	QC Smp #
NH3-N	SM 4500 NH3D-2011	8/23/2024	TB/JJ	0.1	0.0278	E	10	W24.12960+W24.12962+W24.12973+W24.12983+W24.12988	QC Smp # Dup1 Dup2 %RPD Standard Notes
								W24.12966+W24.13008+W24.13013+W24.13019+W24.13021	W24.12983 1.95 1.92 1.55
								W24.13006+W24.13024+W24.13031+W24.13035+W24.13062+W24.13066	W24.12983 1.95 1.92 1.55
								(P)W24.12902+W24.12910+W24.12918+W24.12925+W24.12930	W24.13006 0.0922 0.0920 0.22
								W24.12933+W24.12936+W24.12939+W24.12940+W24.12945	W24.13006 0.0922 0.0920 0.22
						E	7	W24.12962+W24.12983+W24.12988+W24.12995+W24.12996+W24.13006+W24.13008+W24.13013+W24.13019+W24.13021	W24.12918 35.8 35.6 0.56
								W24.12973+W24.13024+W24.13031+W24.13035+W24.13038+W24.13039+W24.13018+W24.13070+W24.13075+W24.13072	W24.12918 35.8 35.6 0.56
								W24.12962+W24.12983+W24.12988+W24.12995+W24.12996+W24.13006+W24.13008+W24.13013+W24.13019+W24.13021	W24.12962 3.22 3.02 6.4
								W24.12973+W24.13024+W24.13031+W24.13035+W24.13038+W24.13039+W24.13018+W24.13070+W24.13075+W24.13072	W24.12962 3.22 3.02 6.4
								W24.12962+W24.12983+W24.12988+W24.12995+W24.12996+W24.13006+W24.13008+W24.13013+W24.13019+W24.13021	W24.12962 3.22 3.02 6.4
Set ID = Date & Time									
Analysis	Method	Set ID = Date & Time Analyzed	Analyst	MDL	Blank	Samp Type	Samp in Set	Samples Analyzed	QC Smp #
E.coli	SM 9223B Colliert-2016	8/29/24	1817	JG/TW	5			W24.13501+W24.13500+W24.13499+W24.13511+W24.13503	W24.12962 3.22 3.02 6.4

SM = Standard Methods
D Duplicates are outside QC limits
S Spike recovery outside of QC limits
SB BOD/CBOD standard is not 198+/30.5
B Blank is above QC limits (CBOD/BOD=0.2)
OR OR=Over-range
C CCV recovery outside QC limits
L LCS outside QC limits
SN See Narrative
BB Blank is above QC limits (NH3-N>0.03)
T Standard not within ±15%

Field Data Methods:
CL2: SM 4500-CL G 2011
DO: SM 4500-O G 2016
pH: SM 4500-H+ B 2011
E=Effluent, Discharge, Clarifier and Clarifier Effluent I=Influent P=Process D=Drinking
Water SW=Storm Water

*See rerun below **Rerun †See qualifier

SAMPLE RECORD & CHAIN OF CUSTODY

385



R&C Joy, Incorporated
19020 W. Little York Rd.
Katy, TX 77449
281-858-5988

Client: **EDP**
Street: **17495 Village Green Dr.**
City/State/Zip: **Houston, TX 77040**

Sampled By: **P. Weller J. Gomez**

Facility: **FB MUD 143**

Codes

Sample Method	Sample Matrix	Container Type
C = Composite	E = Effluent R = Reclaimed	P = Plastic V = Vial
G = Grab	I = Influent SW = Stormwater	G = Glass X = Field Data/ No Bottle
	S = Sludge P = Potable	S = Sterile

Sample Information

Field Data

Containers

Preservation

Analyses

Sample ID	Sample Location	Date Collected	Time Collected	Sample Method	Sample Matrix	Temp (°C)	pH (STU)	DO (mg/L)	Cl ₂ Res (mg/L)	Flow (MGD)	Container ID	Container Type	Ice/Refrig	H ₂ SO ₄	HNO ₃	Na ₂ S ₂ O ₃	N-NH ₃	BOD	cBOD	COD	TSS	VSS	Solids %	Turbidity	NO ₂ /NO ₃	Microscopic	E. coli	TKN	T. Phos	Permit Renewal
W24. 12446	Effluent	8-22-24	1044	G	E	32.1	6.48	6.34	4.4	0.13		X																		
W24. 12446	Effluent	8-22-24	1044	G	E						a	P	✓	✓																
W24. 12446	Effluent	8-22-24	1044	G	E						b	P	✓	✓																
W24. 12446	Effluent	8-22-24	1044	G	E						c	P	✓	✓																
W24. 12447	Influent	8-22-24	1111	G	I	29.5	7.72					X																		
W24. 12447	Influent	8-22-24	1111	G	I						a	P	✓	✓																
W24. 12447	Influent	8-22-24	1111	G	I						b	P	✓	✓																
W24. 12447	Effluent	8-22-24	1044	G	E						d	P	✓	✓																
W24. 12449	Plant 1 Aeration 1	8-22-24	1106	G	S							P	✓	✓																
W24. 12449	Plant 1 Aeration 2	8-22-24	1107	G	S							P	✓	✓																
W24. 12449	Plant 1 Aeration 3	8-22-24	1108	G	S							P	✓	✓																
W24. 13001	Plant 1 RAS	8-22-24	1105	G	S							P	✓	✓																
W24. 12446	Effluent	8-22-24	1044	G	E						c	P	✓	✓																
W24. 12446	Effluent	8-22-24	1044	G	E						f	P	✓	✓																
W24. 12446	Effluent	8-22-24	1044	G	E						g	P	✓	✓																

Special Notes

Effluent for Permit Renewal (Nitrate, Sulfate, Chloride + TDS) Effluent Permit Renewal Sample.

Custody Changes

Preservation Check

Relinquished By	Date	Time	Received By	Date	Time	On Ice? Yes [] No []	pH (STU): < 2	Cl ₂ Absent Yes [] No []
P. Weller	8-22-24	1310	J. Gomez	8-22-24	1310	Sample Temp (°C): 11.5	Chk w/ 10D0142, Exp. 5/31/28	DPD Lot: 230654
						Thermometer: 02	Bottle(s): Effluent a	DPD Exp: 12/24
						Bottle: 02	Bottle(s): Effluent a	
						Initials: JG	Initials: JG	

SAMPLE RECORD & CHAIN OF CUSTODY

10/5



Client: EDP
Street: 17495 Village Green Dr.
City/State/Zip: Houston, TX 77040

Sampled By: P. Weller

Facility: FB MUD 143

Codes
Sample Method
C = Composite
G = Grab
Sample Matrix
E = Effluent
I = Influent
S = Sludge
R = Reclaimed
SW = Stormwater
P = Potable
Container Type
P = Plastic
V = Vial
G = Glass
X = Field Data/
S = Sterile
No Bottle

Sample Information						Field Data						Containers		Preservation				Analyses										
Sample ID	Sample Location	Date Collected	Time Collected	Sample Method	Sample Matrix	Samp Temp (°C)	pH (STU)	DO (mg/L)	Cl ₂ Res (mg/L)	Flow (MGD)	Container ID	Container Type	Ice/Refrig	H ₂ SO ₄	HNO ₃	Na ₂ S ₂ O ₃	N-NH ₃	BOD	cBOD	COD	TSS	VSS	Solids %	Turbidity	NO ₂ /NO ₃	Microscopic	E. coli	
W24.13426	Effluent	8/29/24	0754	G	E	28.7	6.36	6.52		0.27		X																
W24.13426	Effluent	8/29/24	0754	G	E						a	P	✓	✓				✓										
W24.13426	Effluent	8/29/24	0754	G	E						b	P	✓						✓				✓					
W24.13427	Influent	8/29/24	0815	G	I	29.0	6.36 8.08	6.52 8.14/14				X																
W24.13427	Influent	8/29/24	0815	G	I						a	P	✓	✓				✓										
W24.13427	Influent	8/29/24	0815	G	I						b	P	✓						✓				✓					
W24.13428	Plant 1 Aeration 1	8/29/24	0814	G	S							P	✓										✓					
W24.13429	Plant 1 Aeration 2	8/29/24	0814	G	S							P	✓										✓					
W24.13430	Plant 1 Aeration 3	8/29/24	0817	G	S							P	✓										✓					
W24.13431	Plant 1 RAS	8/29/24	0818	G	S							P	✓										✓					

Special Notes

Custody Changes				Preservation Check			
Relinquished By	Date	Time	Received By	On Ice? Yes/No	pH (STU): < 2	Cl ₂ Absent Yes/No	DPD Lot: 230654
	8/29/24	1215		Sample Temp (°C): 26	Chk w/ 10D0142, Exp. 5/31/28		DPD Exp: 12/24
				Thermometer: R1	Bottle(s): Eff a, Inf a		Bottle(s): Eff a
				Bottle: Eff a			
				Initials: PW			Initials: PW

505

Sample Record & Chain of Custody Rev. 3-02062024



P.O. Box 1089 Coldspring Tx 77331
Website: eastexlabs.com
Email: eastexlab@eastex.net
Tel: 936 653 3249



R and C Joy
R and C Joy
19020 W Little York Road
Katy, TX 77449

LABORATORY ANALYTICAL REPORT

Project: R and C Joy Effluent

Sample Site:	W24 12996	Sample Number:				Collector:			
Sample Type:	Grab	4340855-01				Sampled:	08/22/2024	10:44	
Sample Matrix:	Water					Received:	08/23/2024	15:25	
Client Matrix:	Water								
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Chloride	154	5.0	mg/L	A	B4H3781	08/23/2024 17:33	KLJ	EPA 300.0	
Nitrate as N	29.2	0.05	mg/L	A	B4H3781	08/23/2024 17:33	KLJ	EPA 300.0	13
Sulfate	35.2	4.0	mg/L	A	B4H3781	08/23/2024 17:33	KLJ	EPA 300.0	
TDS	800	10.0	mg/L	A	B4H3731	08/27/2024 10:04	ARB	SM 2540 C	
TKN	2.2	1.0	mg/L	A	B4H3830	09/04/2024 16:10	TDS	EPA 351.2	13, 53
Total Phosphorus	5.59	0.0600	mg/L	A	B4H3738	08/27/2024 16:02	KJH	EPA 200.7	



P.O. Box 1089 Coldspring Tx 77331
 Website: eastexlabs.com
 Email: eastexlab@eastex.net
 Tel: 936 653 3249



R and C Joy
 R and C Joy
 19020 W Little York Road
 Katy, TX 77449

SM 2540 C - Quality Control
Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4H3731 - No Prep										
Blank (B4H3731-BLK1)					Prepared & Analyzed: 08/27/24					
TDS	ND	10.0	mg/L							
LCS (B4H3731-BS1)					Prepared & Analyzed: 08/27/24					
TDS	310		mg/L	300		103	80-120			
Duplicate (B4H3731-DUP1)					Source: 4340614-01 Prepared & Analyzed: 08/27/24					
TDS	1490	10.0	mg/L		1380			7.67	10	
Batch B4H3738 - EPA 200.7										
Blank (B4H3738-BLK1)					Prepared: 08/26/24 Analyzed: 08/27/24					
Total Phosphorus	ND	0.0600	mg/L							
LCS (B4H3738-BS1)					Prepared: 08/26/24 Analyzed: 08/27/24					
Total Phosphorus	2.55	0.0600	mg/L	2.52		101	85-115			
Matrix Spike (B4H3738-MS1)					Source: 4340097-01 Prepared: 08/26/24 Analyzed: 08/27/24					
Total Phosphorus	8.25	0.0600	mg/L	2.52	5.68	102	70-130			
Matrix Spike Dup (B4H3738-MSD1)					Source: 4340097-01 Prepared: 08/26/24 Analyzed: 08/27/24					
Total Phosphorus	8.54	0.0600	mg/L	2.52	5.68	114	70-130	3.45	20	
Batch B4H3781 - No Prep										
Blank (B4H3781-BLK1)					Prepared & Analyzed: 08/23/24					
Chloride	ND	5.0	mg/L							
Nitrate as N	ND	0.05	mg/L							
Sulfate	ND	4.0	mg/L							
LCS (B4H3781-BS1)					Prepared & Analyzed: 08/23/24					
Chloride	24.7		mg/L	25.0		98.7	90-110			
Nitrate as N	1.6601		mg/L	1.50		111	90-110			13
Sulfate	21.6		mg/L	20.0		108	90-110			
Matrix Spike (B4H3781-MS1)					Source: 4340541-01 Prepared & Analyzed: 08/23/24					
Chloride	202	5.0	mg/L	125	80.0	97.9	80-120			
Nitrate as N	11.7072	0.05	mg/L	7.50	4.0647	102	80-120			13
Sulfate	137	4.0	mg/L	100	35.0	102	80-120			
Matrix Spike Dup (B4H3781-MSD1)					Source: 4340541-01 Prepared & Analyzed: 08/23/24					
Chloride	201	5.0	mg/L	125	80.0	97.0	80-120	0.498	20	
Nitrate as N	11.6613	0.05	mg/L	7.50	4.0647	101	80-120	0.393	20	13
Sulfate	136	4.0	mg/L	100	35.0	101	80-120	0.293	20	

Eastex Environmental Laboratory - Coldspring

The results in this report apply to the samples analyzed in accordance with the chain of custody document.
 This analytical report must be reproduced in its entirety.

Alkalinity titrated to pH 4.5 endpoint.



P.O. Box 1089 Coldspring Tx 77331

Website: eastexlabs.com

Email: eastexlab@eastex.net

Tel: 936 653 3249



R and C Joy
R and C Joy
19020 W Little York Road
Katy, TX 77449

EPA 351.2 - Quality Control

Eastex Environmental Laboratory - Coldspring

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4H3830 - SM 4500 Norg C										
Blank (B4H3830-BLK1)				Prepared: 08/27/24 Analyzed: 09/04/24						
TKN	ND	1.0	mg/L							
LCS (B4H3830-BS1)				Prepared: 08/27/24 Analyzed: 09/04/24						
TKN	11.8		mg/L	10.0		118	90-110			13
Matrix Spike (B4H3830-MS1)				Source: C4H6431-01 Prepared: 08/27/24 Analyzed: 09/04/24						
TKN	12.0	1.0	mg/L	10.0	0.212	118	80-120			13
Matrix Spike Dup (B4H3830-MSD1)				Source: C4H6431-01 Prepared: 08/27/24 Analyzed: 09/04/24						
TKN	18.3	1.0	mg/L	10.0	0.212	181	80-120	41.3	20	13, 53

Mark Bourgeois

Mark Bourgeois, Special Projects Manager

Qualifiers

- 53 RPD Recovery outside acceptance limits due to matrix interference.
13 LCS associated with sample batch outside of acceptance limits.



R&C Joy, Incorporated
19020 W. Little York Rd.
Katy, TX 77449
281-858-5988

VENDOR PURCHASE ORDER

4340855-0850
Jm

Codes

VPO# 082324B

Send To Eastex Environmental Labs

Street PO Box 1089

City/State/Zip Coldspring, TX 77331

Sample Method
C = Composite
G = Grab

Sample Matrix
E = Effluent
I = Influent
S = Sludge
R = Reclaimed
SW = Stormwater
P = Potable

Container Type
P = Plastic
G = Glass
S = Sterile
V = Vial

Sample Information

Containers

Preservation

Analyses

Special Notes

Sample ID

Sample Location

Date Collected

Time Collected

Sample Method

Sample Matrix

Container ID

Container Type

Ice/Refrig

H₂SO₄

HNO₃

Na₂S₂O₃

Nitrate

Sulfate

Chloride

TDS

T. Phos

TKN

Short hold time
W24.12996
W24.12996
W24.12996

Effluent
Effluent
Effluent

8/22/24 1044
8/22/24 1044
8/22/24 1044

G
G
G

E
E
E

Ed
Ed
Ed

25
25
25

✓
✓
✓

✓
✓
✓

✓
✓
✓

X
X
X

X
X
X

X
X
X

X
X
X

X
X
X

X
X
X

Additional Notes

Permit Renewal (Short list)

- See attached.

e bottle - TKN
e bottle - T. Phos

Custody Changes

Preservation Check

Relinquished By

Date

Time

Received By

Date

Time

On Ice? Yes ☒ No ☐

Sample Temp (°C): 1.6

Thermometer: 15

Bottle(s):

Initials:

pH (STU):

Chk w/:

DPD Lot:

DPD Exp:

Bottle(s):

Initials:

Relinquished By

Date

Time

Received By

Date

Time

On Ice? Yes ☒ No ☐

Sample Temp (°C): 1.6

Thermometer: 15

Bottle(s):

Initials:

pH (STU):

Chk w/:

DPD Lot:

DPD Exp:

Bottle(s):

Initials:

EB143 VPD
W24. 12996

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

Is the facility in operation?

☐ Yes ☐ No

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

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

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

Table 1.0(1) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD₅, mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, $\mu\text{mhos/cm}$, †					
Oil & Grease, mg/l					
Alkalinity (CaCO₃)*, 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					

ATTACHMENT K

SLUDGE DISPOSAL INFORMATION

**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



We at K-3 Resources Operate our own fleet of TCEQ permitted Sludge-Hauling Commercial Vehicles. We are also the responsible party for our own high capacity, Lime-Stabilization and Land application facilities located in Waller County, Texas.

Sludge Haulers' permit: 22430

Lime Stabilization Permits: WQ00038930000, WQ000453800

Land application sites: WQ000445400, WQ000451800, WQ000444500, WQ000444800, WQ000445000, WQ000522200, WQ000524800

We are prepared and willing to pick up, process and land apply sludge from domestic wastewater treatment plants operated by Inframark.

A handwritten signature in blue ink that reads 'Renee Tom'.

10/14/2024

Renee Tom

K-3 Resources, LP

dba K-3BMI

ATTACHMENT L

NOTICES OF COMPLETION

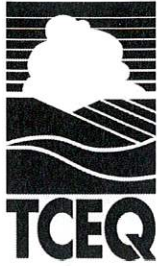
**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
NOTIFICATION OF COMPLETION/PHASE OF WASTEWATER
TREATMENT FACILITY**

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Current Permit Information

What is the TCEQ Water Quality Permit Number? WQ0015241001

What is the EPA I.D. Number? TX 0135305

Current Name on Permit: Ventana Development McCrary, Ltd.

Notification

Indicate the phase the facility will be operating.

- ☐ Interim Phase I Flow
- ☒ Interim Phase II Flow
- ☐ Interim Phase III Flow
- ☐ Final Phase Flow

Indicate the date that the operation began or will begin operating under the selected phase:

Month/Day/Year: June 3, 2020

Comments: Relocation of Outfall. No plant expansion involved.

Certification and Signature

Responsible Official Name (Print or Type): Chris Elam

Responsible Official Title: FBCMUD No. 143 Board President

Responsible Official Email: Chris.Elam@fortbendcountytexas.gov

I 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.

Signature (use blue ink):  Date: 7/21/21

Email completed form to:
or

WQ-ARPTeam@tceq.texas.gov

Fax completed form to:
or mail completed form to:

512-239-0884

Texas Commission on Environmental Quality
Applications Review and Processing Team (MC-148)
P.O. Box 13087
Austin TX 78711-3087



**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
NOTIFICATION OF COMPLETION/PHASE OF WASTEWATER
TREATMENT FACILITY**

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Current Permit Information

What is the TCEQ Water Quality Permit Number? WQ0015241001

What is the EPA I.D. Number? TX 0135305

Current Name on Permit: Fort Bend County Municipal Utility District No. 143

Notification

Indicate the phase the facility will be operating.

- ☐ Interim Phase I Flow
- ☐ Interim Phase II Flow
- ☐ Interim Phase III Flow
- ☒ Final Phase Flow

Indicate the date that the operation began or will begin operating under the selected phase:

Month/Day/Year: April 25, 2024

Comments:

Certification and Signature

Responsible Official Name (Print or Type): Aaron M. McCubbin

Responsible Official Title: President, FBCMUD 143

Responsible Official Email: hbrook@abhr.com

I 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.

Signature (use blue ink):

Date:

10-11-2024

Email completed form to:
or

WQ-ARPTeam@tceq.texas.gov

Fax completed form to:
or mail completed form to:

512-239-0884

Texas Commission on Environmental Quality
Applications Review and Processing Team (MC-148)
P.O. Box 13087
Austin TX 78711-3087

ATTACHMENT F

SERVICE AREA MAP

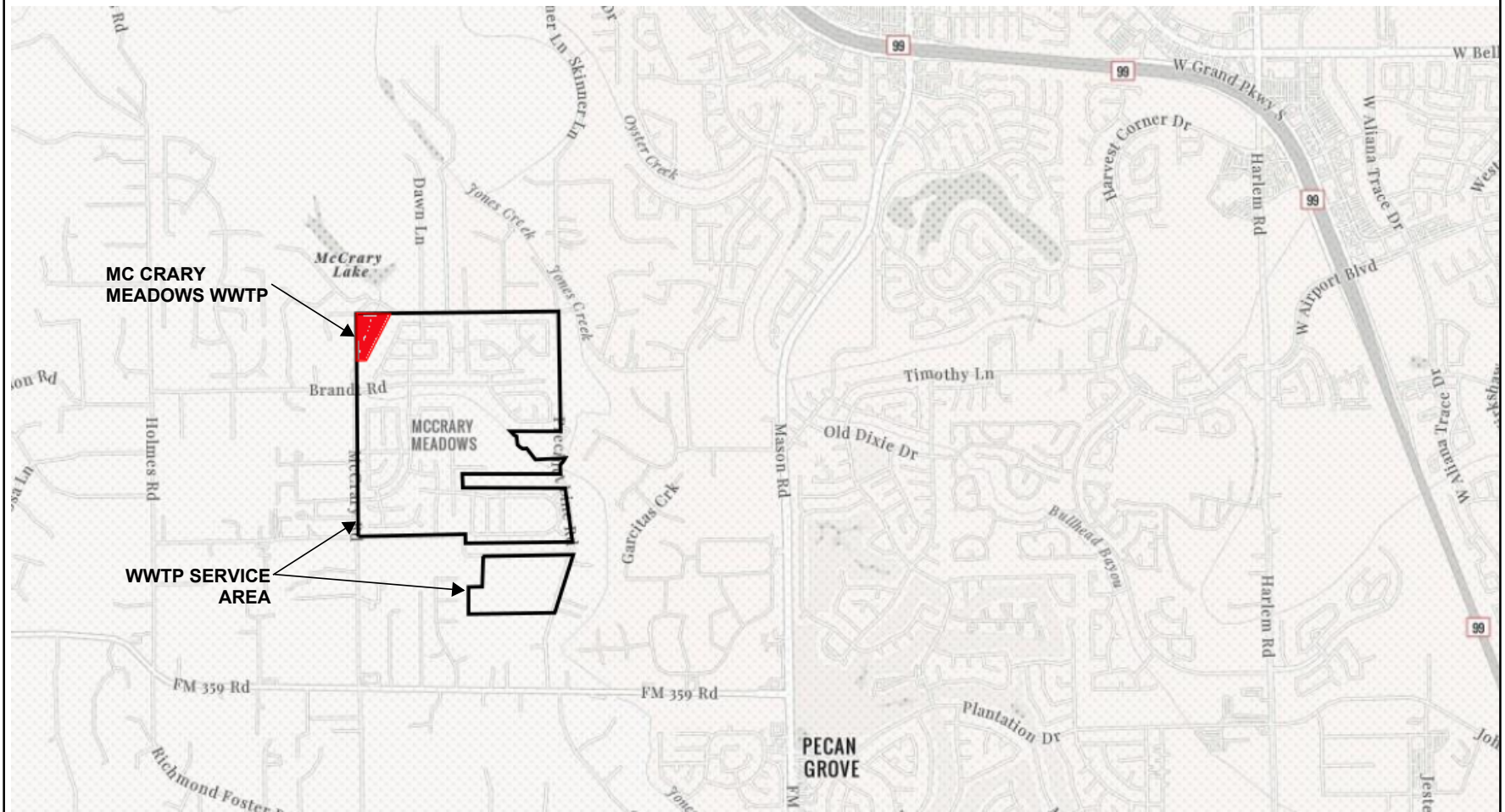
**FORT BEND COUNTY MUNICIPAL UTILITY DISTRICT NO. 143
MC CRARY MEADOWS WASTEWATER TREATMENT PLANT**

NOVEMBER 2024



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337



SERVICE AREA MAP

FORT BEND COUNTY MUD NO. 143
MC CRARY MEADOWS WWTP
 TPDES PERMIT NO. WQ0015241001



QUIDDITY

Texas Board of Professional Engineers and Land Surveyors Registration Nos. F-23290 & 10046100
 6330 West Loop South, Suite 150 • Bellaire, TX 77401 • 713.777.5337

The following attachments are not needed for the Fort Bend County MUD No. 143 TPDES Permit Renewal:

Buffer Zone Map

Design Calculations

Solids Management Plan

Water Ballance

The following attachments are not needed for the Fort Bend County MUD No. 143 TPDES Permit Renewal:

Buffer Zone Map

Design Calculations

Solids Management Plan

Water Ballance

The following attachments are not needed for the Fort Bend County MUD No. 143 TPDES Permit Renewal:

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Solids Management Plan

Water Ballance

The following attachments are not needed for the Fort Bend County MUD No. 143 TPDES Permit Renewal:

Buffer Zone Map

Design Calculations

Solids Management Plan

Water Ballance

Brandon Maldonado

From: Brandon Maldonado
Sent: Thursday, November 14, 2024 2:33 PM
To: Jonathan Nguyen
Cc: Steve G. Barry PE
Subject: RE: Application to Renew Permit No. WQ0015241001 - Notice of Deficiency Letter

Hello,

All your response to all items of the NOD are sufficient.

To clarify on individual items.

1. Two contacts are needed for paper applications not for applications submitted though STEERS this is my mistake, and this item should not have been on the NOD.
2. Our records showed that the authorization type was private. After confirming with you that this is incorrect our records have been changed to fix this error.

Please let me know if you have any questions

Regards,



Brandon Maldonado
Texas Commission on Environmental
Quality
Water Quality Division
512-239-4331
Brandon.Maldonado@tceq.texas.gov

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

From: Jonathan Nguyen <jnguyen@quiddity.com>
Sent: Thursday, November 14, 2024 8:03 AM
To: Brandon Maldonado <Brandon.Maldonado@tceq.texas.gov>
Cc: Steve G. Barry PE <sbarry@quiddity.com>
Subject: Re: Application to Renew Permit No. WQ0015241001 - Notice of Deficiency Letter

Good morning,

Please see below in response to the TCEQ NOD dated 11/13/2024.

1. Mr. Michael Coulter, Vice President, same contact information as the first permit contact.
2. Please clarify this item. This WWTF is a public utility that is owned by the District.
3. There are a few typos in the NORI statement.

- a. Facility location sentence
 - i. remove "at Located"
 - ii. match the current permit which removed "near the City of Richmond"
 - b. Public viewing location - Reference is misspelled
4. Spanish NORI attached. The translated notice incorporated the above revisions

Please let us know if you have any additional questions.

Thank you!

Jonathan Nguyen

Permitting Specialist



✉ jnguyen@quiddity.com

☎ (512) 685-5156

📍 912 S. Capital of Texas Hwy, Suite 300, Austin, Texas, 78746

www.quiddity.com



From: Brandon Maldonado <Brandon.Maldonado@tceq.texas.gov>

Sent: Wednesday, November 13, 2024 2:36 PM

To: Jonathan Nguyen <jnguyen@quiddity.com>

Subject: Application to Renew Permit No. WQ0015241001 - Notice of Deficiency Letter

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Dear Mr. Nguyen

The attached Notice of Deficiency (NOD) letter sent on **November 13, 2024**, requests additional information needed to declare the application administratively complete. Please send complete response to my attention by **November 27, 2024**.

Please let me know if you have any questions.

Regards,



Brandon Maldonado
Texas Commission on Environmental
Quality
Water Quality Division
512-239-4331
Brandon.Maldonado@tceq.texas.gov

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

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