



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

Harris County Municipal Utility District No. 465 (CN: 603067042) operates the Harris County MUD No. 465 Wastewater Treatment Plant (RN: 110707106)), a conventional activated sludge with nitrification process plant. The facility is located at 27045 ½ Longenbaugh Road, in Katy, Harris County, Texas 77493. This application is for a major amendment to the permit to discharge at a daily average flow of 490,000 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. The domestic wastewater is treated by a conventional activated sludge with nitrification process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters and a chlorine contact chamber.

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

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Harris County Municipal Utility District No. 465 (CN: 603067042) opera La planta de tratamiento de aguas residuales de Harris County MUD No. 465 RN: 110707106) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación está ubicada en 27045 ½ Longenbaugh Road, en Katy, Condado de Harris, Texas 77493. Esta solicitud es para una enmienda importante al permiso para descargar un flujo promedio diario de 490,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 (Análisis de contaminantes del efluente tratado) en el paquete de solicitud de permiso. Las aguas residuales domésticas. está tratado por una planta de proceso convencional de lodos activados con nitrificación y las unidades de tratamiento incluirán una rejilla de barras, tanques de aireación, clarificadores finales, digestores de lodos y una cámara de contacto con cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015772001

APPLICATION. Harris County Municipal Utility District No. 465, 9 Greenway Plaza, Suite 1000, Houston, Texas 77046, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015772001 (EPA I.D. No. TX0139106) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of 490,000 gallons per day. The domestic wastewater treatment facility is located at 27045 1/2 Longenbaugh Road, near the city of Katy, in Harris County, Texas 77493. The discharge route is from the plant site to a drainage ditch, thence to detention ponds, thence to a drainage ditch, thence to a roadside ditch along Farm-to-Market (FM) 529, thence to South Mayde Creek, thence to Buffalo Bayou Above Tidal. TCEQ received this application on May 28, 2025. The permit application will be available for viewing and copying at Harris County Public Library - Katy Branch, 5414 Franz Road, Katy, in Harris 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=-95.840042,29.887951&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

El aviso de idioma alternativo en español está disponible en

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

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

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

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

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

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

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

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

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

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. 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 Harris County Municipal Utility District No. 465 at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: June 18, 2025

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0015772001

SOLICITUD. Harris County Municipal Utility District No. 465, 9 Greenway Plaza, Suite 1000, Houston, Texas 77046 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0015772001 (EPA I.D. No. TX0139106) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar un aumento en la descarga de aguas residuales tratadas a un volumen que no exceda un flujo promedio diario de 490,000 galones por día. La planta está ubicada 27045 1/2 Longenbaugh Road en el Condado de Harris, Texas 77493. La ruta de descarga es del sitio de la planta a zanja de drenaje, de allí a estanques de detención, de allí a una zanja de drenaje, de allí a una zanja al costado del camino a lo largo de Farm-to-Market (FM) 529, de allí a South Mayde Creek, de allí a Buffalo Bayou Above Tidal. La TCEQ recibió esta solicitud el 28 de mayo de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca Pública del Condado de Harris - Sucursal Katy, 5414 Franz Road, Katy, Condado de Harris, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.840042,29.887951&level=18>

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

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

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

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

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

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

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

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

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

solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del Harris County Municipal Utility District No. 465 a la dirección indicada arriba o llamando a Sr. Danny Parks, P.E., WaterEngineers, Inc., al 281-373-0500.

Fecha de emisión: 18 de junio de 2025

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

Overnight by UPS

May 28, 2025

Executive Director
Water Quality Applications Team (MC 148)
Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: Harris County Municipal Utility District No. 465 (TPDES Permit No. WQ0015772001)
Application for a Major Amendment and Renewal to TPDES Permit
Harris County MUD No. 465 Wastewater Treatment Plant

Dear Sir/Ms:

Enclosed please find the original and one copy of the Application for a Major Amendment and Renewal to Texas Pollution Discharge Elimination System Permit for the Harris County MUD No. 465 Wastewater Treatment Plant in Harris County, TX.

Please feel free to contact me by phone at 281-373-0500 or email at & danny@waterengineers.com if there are any questions related to the material presented in the application.

Sincerely,
WATERENGINEERS, INC.



Danny C. Parks, P.E.

Encl: As noted

APPLICATION FOR A MAJOR AMENDMENT AND RENWAL TO
TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

**HARRIS COUNTY MUD NO. 465
WASTEWATER TREATMENT PLANT
(TPDES PERMIT NO. WQ0015772001)**

Harris County Municipal Utility District No. 465
9 Greenway Plaza, Suite 1000
Houston, TX 77046

PREPARED BY:

 **WATERENGINEERS, INC.**
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

May 2025

APPLICATION FOR A MAJOR AMENDMENT AND RENEWAL TO
TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 465

HARRIS COUNTY MUD No. 465
WASTEWATER TREATMENT PLANT
(TPDES PERMIT NO. WQ0015772001)

TABLE OF CONTENTS

Description	Reference Page Numbers(s)	Reference Question
TCEQ Domestic Wastewater Permit Application Domestic Administrative Report 1.0	Administrative Report 1-11 of 17	
TCEQ Domestic Wastewater Permit Application Domestic Administrative Report 1.1	Administrative Report 12-14 of 17	
TCEQ Domestic Wastewater Permit Application Domestic Technical Report 1.0	Technical Report 1-17 of 66	
TCEQ Domestic Wastewater Permit Application Domestic Technical Report 1.1	Technical Report 18-24 of 66	
Domestic Worksheet 2.0 – Receiving Waters	Technical Report 25-28 of 66	
Domestic Worksheet 2.1 – Stream Physical Characteristics	Technical Report 58-62 of 66	
Domestic Worksheet 6.0 – Industrial Waste Contribution	Technical Report 29-30 of 66	
Attachment ADMIN.01 USGS Topographic Map	Administrative Report 1.0 Page 10	13
Attachment ADMIN.02 Proof of Application Fee	Administrative Report 1.0 Page 10	13
Attachment ADMIN.03 Core Data Form	Administrative Report 1.0 Page 4	3C

Attachment ADMIN.04 Plain Language Summary	Administrative Report 1.0 Page 6	8F
Attachment ADMIN.05 Public Involvement Plan	Administrative Report 1.0 Page 7	8G
Attachment ADMIN.06 Affected Landowner Map and List	Administrative Report 1.1 Page 12	1A
Attachment ADMIN.07 Site Photographs	Administrative Report 1.1 Page 13	2
Attachment ADMIN.08 Buffer Zone Map	Administrative Report 1.1 Page 13	3A
Attachment ADMIN.09 Supplemental Permit Information Form (SPIF) Including USGS Map & Site Plan	Administrative Report 1.0 Page 14	
Attachment TECH.01 Design and Loading Criteria and Design Features for Reliability	Technical Report Page 22	4
Attachment TECH.02 Process Flow Diagram	Technical Report Page 2	2C
Attachment TECH.03 Site Drawing (Including Wind Rose)	Technical Report Page 2 Page 23	3 5B
Attachment TECH.04 Solids Management Plan	Technical Report Page 23	7
Attachment TECH.05 Map and List of Facilities within 3 Miles Service Request Correspondence	Technical Report Page 20	1B3
Attachment TECH.06 Pollutant Analysis of Treated Effluent Sample Results	Technical Report Page 9	7



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Harris County Municipal Utility District No. 465

PERMIT NUMBER (If new, leave blank): WQ0015772001

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**DOMESTIC WASTEWATER PERMIT APPLICATION
ADMINISTRATIVE REPORT 1.0**

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: 1583
Check/Money Order Amount: \$1,250.00
Name Printed on Check: WaterEngineers, Inc.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

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

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

- ☒ Active ☐ Inactive

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

- ☒ TPDES Permit
☐ TLAP
☐ TPDES Permit with TLAP component

☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

☐ New

☒ Major Amendment with Renewal

☐ Minor Amendment with Renewal

☐ Major Amendment without Renewal

☐ Minor Amendment without Renewal

☐ Renewal without changes

☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Change Phasing to: Phase I=0.200 MGD / Phase II=0.300 MGD / Phase III=0.490 MGD.

f. For existing permits:

Permit Number: WQ00 15772001

EPA I.D. (TPDES only): TX 0139106

Expiration Date: 9/23/2029

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

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

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

Harris County Municipal Utility District No. 465

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

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at <http://www15.tceq.texas.gov/crpub/>

CN: 603067042

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

Prefix: Mr.

Last Name, First Name: Darren O'Connor

Title: Vice President

Credential: Click to enter text.

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

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

N/A

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

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)?

You may search for your CN on the TCEQ website at: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. ADMIN.03

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Mr.

Last Name, First Name: Parks, Danny

Title: Project Engineer

Credential: P.E.

Organization Name: WaterEngineers, Inc.

Mailing Address: 17230 Huffmeister Rd., Suite A City, State, Zip Code: Cypress, TX 77429

Phone No.: 281-373-0500

E-mail Address: danny@waterengineers.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

Check one or both: ☐ Administrative Contact ☐ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Mr.

Last Name, First Name: Johnson, Samuel

Title: Attorney for the District

Credential: Click to enter text.

Organization Name: Coats Rose

Mailing Address: 9 Greenway Plaza, Suite 1000

City, State, Zip Code: Houston, TX 77046

Phone No.: 713-653-5722

E-mail Address: sjohnson@coatsrose.com

B. Prefix: Ms.

Last Name, First Name: Vincent, Debra

Title: Engineer for the District

Credential: P.E.

Organization Name: Elevation Land Solutions

Mailing Address: 9709 Lakeside Blvd., Suite 200
77381

City, State, Zip Code: The Woodlands, TX

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Ms.Last Name, First Name: Loggins, DebraTitle: BookkeeperCredential: Click to enter text.Organization Name: L & S District Services LLCMailing Address: 16758 Telge RoadCity, State, Zip Code: Cypress, TX 77429Phone No.: 281-290-6503E-mail Address: debraloggins@gmail.com**Section 7. DMR/MER Contact Information (Instructions Page 27)**

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

Prefix: Ms.Last Name, First Name: Fossati, TarynnTitle: Compliance ManagerCredential: Click to enter text.Organization Name: TNG UtilityMailing Address: 2815 Spring Cypress RoadCity, State, Zip Code: Spring, TX 77388Phone No.: 281-350-0895E-mail Address: tarynnf@tng-utility.com**Section 8. Public Notice Information (Instructions Page 27)****A. Individual Publishing the Notices**Prefix: Mr.Last Name, First Name: Parks, DannyTitle: Project EngineerCredential: P.E.Organization Name: WaterEngineers, Inc.Mailing Address: 17230 Huffmeister Rd., Suite ACity, State, Zip Code: Cypress, TX 77429Phone No.: 281-373-0500E-mail Address: danny@waterengineers.com**B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package**

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

☒ E-mail Address☐ Fax☐ Regular Mail**C. Contact permit to be listed in the Notices**Prefix: Mr.Last Name, First Name: Parks, Danny

Title: Project Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc.

Mailing Address: 17230 Huffmeister Rd., Suite A City, State, Zip Code: Cypress, TX 77429

Phone No.: 281-373-0500 E-mail Address: danny@waterengineers.com

D. Public Viewing Information

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

Public building name: Harris County Public Library – Katy Branch

Location within the building: Reference Desk

Physical Address of Building: 5414 Franz Road

City: Katy, TX 77493 County: Harris

Contact (Last Name, First Name): Boggs, Elizabeth

Phone No.: 281-391-5309 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

Attachment: Admin.04

G. Public Involvement Plan Form

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

Attachment: Admin.05

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

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 110707106

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

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

Harris County MUD No. 465 Wastewater Treatment Plant

- C. Owner of treatment facility: Harris County Municipal Utility District No. 465

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

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

Prefix: Harris County Municipal Utility District No. 465 Last Name, First Name:

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Coats Rose

Mailing Address: 9 Greenway Plaza, Suite 1000 City, State, Zip Code: Houston, TX 77046

Phone No.: 713-653-5722 E-mail Address: sjohnson@coatsrose.com

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

Attachment: Click to enter text.

- E. Owner of effluent disposal site:

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

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

Attachment: Click to enter text.

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

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

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

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

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

Phone No.: [Click to enter text.](#) E-mail Address: [Click to enter text.](#)

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

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

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

[Click to enter text.](#)

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

☒ Yes ☐ No

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

From the WWTP thence piped to a drainage ditch, thence to detention ponds, thence to a drainage ditch, thence to a roadside ditch along Farm to Market (FM) 529, thence to South Mayde Creek, thence to Buffalo Bayou Above Tidal in Segment No. 1014 of the San Jacinto River Basin.

City nearest the outfall(s): Katy

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

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

D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: [Click to enter text.](#)

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

disposal site location:

Not a TLAP – N/A

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

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

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

[Click to enter text.](#)

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

[Click to enter text.](#)

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

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

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

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

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

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

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

Section 13. Attachments (Instructions Page 33)

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

- ☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information:
- Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- ☒ Other Attachments. Please specify: (Admin.01 – USGS Topographic Maps) & (ADMIN.02 - Proof of Application Fee) & (ADMIN.03 - Core Data Form) & (ADMIN.04 – Plain Language Summary) & (ADMIN.05 – Public Involvement Plan) & (Admin.06 – Affected Landowner Map and List) & (ADMIN.07 – Site Photographs) & (ADMIN.08 – Buffer Zone Map) & (ADMIN.09 – SPIF Form, USGS Map and Site Plan)

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0015772001

Applicant: Harris County Municipal Utility District No. 465

Certification:

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

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

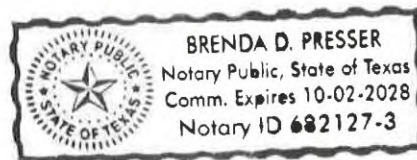
Signatory name (typed or printed): Cynthia Hill Darren O'Connor

Signatory title: President Vice President

Signature: [Signature] Date: 5/20/2025
(Use blue ink)

Subscribed and Sworn to before me by the said Darren O'Connor
on this 20th day of May, 20 25.
My commission expires on the 2ND day of October, 20 28.

Brenda D. Presser
Notary Public



[SEAL]

HARRIS
County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☒ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. ☒ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).
- D. Provide the source of the landowners' names and mailing addresses: Harris County Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes ☒ No

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

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

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

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

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

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

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

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

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

- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: ADMIN.09

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

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

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

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

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

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

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

Things to Know:

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

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

Electronic Application Submittal ☒ Yes
(See application submittal requirements on page 23 of the instructions.)

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

Summary of Application (in Plain Language) ☒ Yes



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): 0.200

2-Hr Peak Flow (MGD): 0.800

Estimated construction start date: Existing

Estimated waste disposal start date: Existing

B. Interim II Phase

Design Flow (MGD): 0.300

2-Hr Peak Flow (MGD): 1.200

Estimated construction start date: Q3/2026

Estimated waste disposal start date: Q2/2027

C. Final Phase

Design Flow (MGD): 0.490

2-Hr Peak Flow (MGD): 1.960

Estimated construction start date: Q3/2028

Estimated waste disposal start date: Q2/2030

D. Current Operating Phase

Provide the startup date of the facility: 0.200 MGD Phase started on Q1 2023

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

Flow enters the plug flow activated sludge with nitrification process through a screening system into the four aeration basins, thence to the clarifier, thence to the chlorine contact chamber for disinfection and discharge. Sludge from the bottom of the clarifier is either returned to the aeration basins or wasted to the four digesters. The second phase will add two additional aeration basins, an additional clarifier, an additional chlorine contact chamber and two additional digesters. The final phase will add four additional aeration basins and four additional digesters.

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)
Current Phase/Phase II/Phase III		
Aeration Basins	4/6/10	32' L x 12' W x 10.25' SWD
Clarifier	1/2/2	32' Diam x 10.42' SWD and 40' Diam x 9.60 SWD
Digesters	4/6/10	20' L x 12' W x 10.5' SWD
Chlorine Contact Chamber	1/2/2	16' L x 11' W x 9.76' SWD and 28' L x 11' W x 8.89 SWD

C. Process Flow Diagram

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

Attachment: TECH.02

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

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

- Latitude: 29.888605
- Longitude: -95.839614

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: TECH.03

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

Winward Residential Subdivision.

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

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Fort Bend County MUD No. 465 Collection System	Fort Bend County MUD No. 465	Publicly Owned	Phase I / Phase II / Final: 2,400 / 3,600 / 4,944
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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

☒ Yes ☐ No

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

☒ Yes ☐ No

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

Development in the area continues at a steady pace. Construction of Phase II (0.300 mgd) will begin later in 2026.

Section 5. Closure Plans (Instructions Page 44)

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 44)

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

A. Summary transmittal

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

☒ Yes ☐ No

If **yes**, provide the date(s) of approval for each phase: Current Phase: 0.200 MGD (4/4/2024)

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.**

Summary Transmittal Letter for Phase II to be submitted prior to construction.

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.

Click to enter text.

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*.

As the final phase is designed and built, the relevant requirements will be addressed.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

Click to enter text.

3. Grit disposal

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

☐ Yes ☐ No

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

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

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

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

Click to enter text.

E. Stormwater management

1. *Applicability*

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. *MSGP coverage*

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

☐ Yes ☐ No

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

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

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

☐ Yes ☐ No

3. *Conditional exclusion*

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

☐ Yes ☐ No

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

Click to enter text.

4. Existing coverage in individual permit

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

☐ Yes ☐ No

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

Click to enter text.

5. Zero stormwater discharge

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

☐ Yes ☐ No

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

Click to enter text.

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

6. Request for coverage in individual permit

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

☐ Yes ☐ No

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

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

[Click to enter text.](#)

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the 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 49)

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	<2.03	<2.03	1	grab	2/17/2025@ 11:20 AM
Total Suspended Solids, mg/l	2.12	2.12	1	grab	2/17/2025@ 11:20 AM
Ammonia Nitrogen, mg/l	0.0610	0.0610	1	grab	3/10/2025@ 9:00 AM
Nitrate Nitrogen, mg/l	11.9	11.9	1	grab	3/10/2025@ 9:00 AM
Total Kjeldahl Nitrogen, mg/l	<1.00	<1.00	1	grab	2/17/2025@ 11:20 AM
Sulfate, mg/l	42.7	42.7	1	grab	2/17/2025@ 11:20 AM
Chloride, mg/l	198	198	1	grab	2/17/2025@ 11:20 AM
Total Phosphorus, mg/l	3.14	3.14	1	grab	2/17/2025@ 11:20 AM
pH, standard units	7.68	7.68	1	grab	2/17/2025@ 11:20 AM
Dissolved Oxygen*, mg/l	10.4	10.4	1	grab	3/10/2025@ 9:00 AM
Chlorine Residual, mg/l	3.70	3.70	1	grab	2/17/2025@ 11:20 AM
<i>E.coli</i> (CFU/100ml) freshwater	<1.00	<1.00	1	grab	2/17/2025@ 11:20 AM
Enterococci (CFU/100ml) saltwater	<1.00	<1.00	1	grab	2/17/2025@ 11:20 AM
Total Dissolved Solids, mg/l	636	636	1	grab	2/17/2025@ 11:20 AM
Electrical Conductivity, μ mohs/cm, †	1150	1150	1	grab	2/17/2025@ 11:20 AM
Oil & Grease, mg/l	48.2	48.2	1	grab	2/17/2025@ 11:20 AM
Alkalinity (CaCO ₃)*, mg/l	124	124	1	grab	2/17/2025@ 11:20 AM

*TPDES permits only

†TLAP permits only

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

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

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: TNG Utility Corp.

Facility Operator's License Classification and Level: Minimum C

Facility Operator's License Number: OC0000030

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

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

Check all that apply. See instructions for guidance

- ☐ Design flow $\geq$ 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 Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

C. Sewage Sludge or Biosolids Management

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

Biosolids Management

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

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

D. Disposal site

Disposal site name: Mount Houston Road MUD WWTP

TCEQ permit or registration number: WQ0011154001

County where disposal site is located: Harris

E. Transportation method

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

Name of the hauler: MagnaFlow Environmental

Hauler registration number: 21484

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:
Attachment: [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:

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

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

Section 14. Laboratory Accreditation (Instructions Page 55)

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

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

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

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

CERTIFICATION:

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

Printed Name: Cynthia Hill Darren O'Connor

Title: President Vice President

Signature: 

Date: 5/20/2025

DOMESTIC WASTEWATER PERMIT APPLICATION

TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

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

The proposed increase to the final phase is necessary to provide wastewater service for the growing and future development surrounding the existing wastewater treatment plant. The complete buildout will consist of approximately 1,648 residential homes.

B. Regionalization of facilities

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

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

1. Municipally incorporated areas

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

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

☐ Yes ☒ No ☐ Not Applicable

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

If yes, attach correspondence from the city.

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

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

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

2. Utility CCN areas

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

☐ Yes ☒ No

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

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

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

3. *Nearby WWTPs or collection systems*

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

☒ Yes ☐ No

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

Attachment: [TECH.05](#)

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

Attachment: [TECH.05](#)

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

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

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☒ Yes ☐ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): 0.200 MGD / 0.300 MGD / 0.490 MGD

Average Influent Organic Strength or BOD₅ Concentration in mg/l: N/A

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): N/A

Provide the source of the average organic strength or BOD₅ concentration.

N/A

B. Proposed organic loading

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

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality		
Subdivision	0.200 / 0.300 / 0.490	300 / 300 / 300
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.200 / 0.300 / 0.490	
AVERAGE BOD ₅ from all sources		300

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

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 6

Other: E. Coli: 63 mpn/100 ml

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 2
Total Phosphorus, mg/l: N/A
Dissolved Oxygen, mg/l: 6
Other: E. Coli: 63 mpn/100 ml

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 7
Total Suspended Solids, mg/l: 15
Ammonia Nitrogen, mg/l: 2
Total Phosphorus, mg/l: N/A
Dissolved Oxygen, mg/l: 4
Other: E. Coli: 63 mpn/100 ml

D. Disinfection Method

Identify the proposed method of disinfection.

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

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 58)

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

Attachment: TECH.01

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

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

☒ Yes ☐ No

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

Click to enter text.

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

FEMA Flood Map 48201Co390N dated November 15, 2019

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

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

B. Wind rose

Attach a wind rose: [TECH.03](#)

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

B. Sludge processing authorization

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

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

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

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

Attach a solids management plan to the application.

Attachment: [TECH.04](#)

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

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

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

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

☐ Yes ☒ No

If **no**, proceed 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 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

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

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [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 63)

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

☐ Yes ☒ No

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

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

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

Name of the immediate receiving waters: Drainage Ditch

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.

None within three miles

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.

Drainage ditch discharges to wet bottom amenity channel / detention ponds

E. Normal dry weather characteristics

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

Constructed drainage channels / ponds were at normal water surface elevation with groomed grass surround.

Date and time of observation: 4/11/2025 @ 2:00 PM

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

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

A. Upstream influences

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

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☐ Agricultural runoff

☐ Septic tanks
discharge location.

☒ Other(s), specify: Drainage ditch begins at

B. Waterbody uses

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

- | | |
|--|---|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☒ Other(s), specify: <u>Unknown</u> |

C. Waterbody aesthetics

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

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

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

Section 1. General Information (Instructions Page 65)

Date of study: 4/11/2025 Time of study: 2:00 PM

Stream name: Amenity Detention Channels / Ponds

Location: 27045 1/2 Longenbaugh Road, Katy, TX 77493

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

☐ Perennial ☒ Intermittent with perennial pools

Section 2. Data Collection (Instructions Page 65)

Number of stream bends that are well defined: 1

Number of stream bends that are moderately defined: 0

Number of stream bends that are poorly defined: 1

Number of riffles: 0

Evidence of flow fluctuations (check one):

☒ Minor ☐ moderate ☐ severe

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

Various Culverts between amenity detention channels / ponds.

Stream transects

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

Table 2.1(1) - Stream Transect Records

Stream type at transect Select riffle, run, glide, or pool. See Instructions, Definitions section.	Transect location	Water surface width (ft)	Stream depths (ft) at 4 to 10 points along each transect from the channel bed to the water surface. Separate the measurements with commas.
Glide	Outfall Transect 1 (+0')	45.0'	1', 3', 5', 5' 3' 1'
Glide	Transect 1 (+1,000)	45.0'	1', 3', 5', 5' 3' 1'
Glide	Transect 2 (+3,300')	75.0'	1', 3', 5', 5' 3' 1'
Glide	Transect 3 (+5,280')	75.0'	1', 3', 5', 5' 3' 1'
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 65)

Streambed slope of entire reach, from USGS map in feet/feet: 0.000189

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

Length of stream evaluated, in feet: 5,280 ft

Number of lateral transects made: 4 ft

Average stream width, in feet: 60 ft

Average stream depth, in feet: 3 ft

Average stream velocity, in feet/second: (1 ft / 600 sec) = 0.00167 ft/sec

Instantaneous stream flow, in cubic feet/second: 60 ft width x 3 ft depth x 0.00167 ft/sec = 0.30 ft³/sec

Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): Floating Leaf. Took about 10 minutes to go 1 foot.

Size of pools (large, small, moderate, none): Small

Maximum pool depth, in feet: 5

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following is required for all publicly owned treatment works.

Section 1. All POTWs (Instructions Page 87)

A. Industrial users (IUs)

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

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

Categorical IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Significant IUs - non-categorical:

Number of IUs: 0

Average Daily Flows, in MGD: 0

Other IUs:

Number of IUs: 0

Average Daily Flows, in MGD: 0

B. Treatment plant interference

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

☐ Yes ☒ No

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

Click to enter text.

C. Treatment plant pass through

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

☐ Yes ☒ No

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

Click to enter text.

D. Pretreatment program

Does your POTW have an approved pretreatment program?

☐ Yes ☒ No

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

Is your POTW required to develop an approved pretreatment program?

☐ Yes ☒ No

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

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

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

A. Substantial modifications

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

☐ Yes ☐ No

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

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

A. General information

Company Name: N/A

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

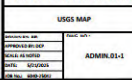
If yes, identify the SIU, describe each episode, including dates, duration, description of problems, and probable pollutants.

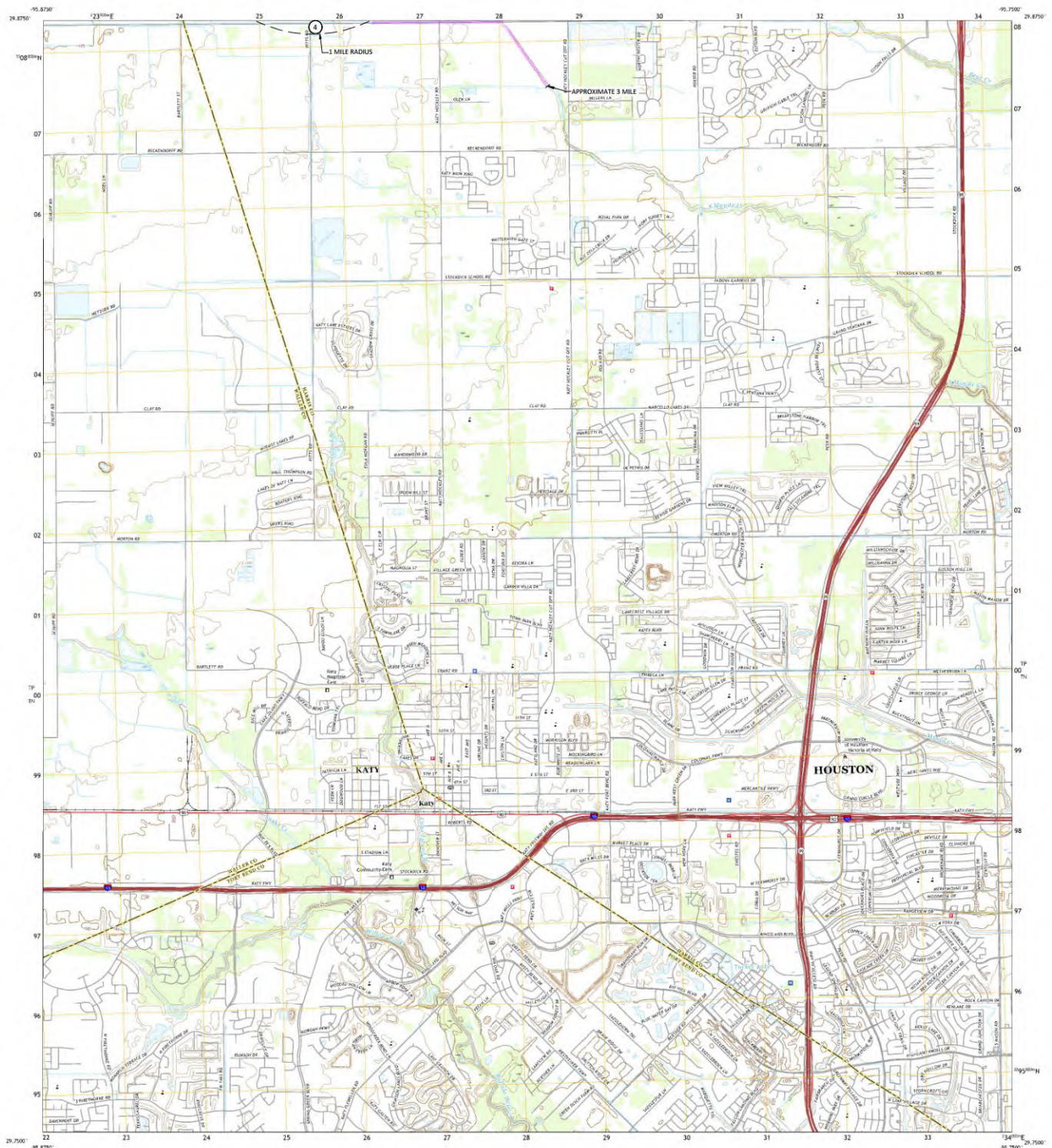
[Click to enter text.](#)

ATTACHMENT ADMIN.01

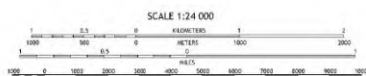
USGS Topographic Map

(Reference Administrative Report 1.0, Page 10, Question 13)





Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
Horizontal Control: Series of State Plane, Projected and
Vertical Control: Series of State Plane, Projected and
1:50,000 scale, North American Datum of 1983 (NAD83)
This map is not a legal document. Boundaries may be
different from those shown on the ground. Government
agencies may not be shown. Obtain permission before
reproducing or distributing.



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

1	2	3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
---	---	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

ATTACHMENT ADMIN.02

Proof of Payment

(Reference Administrative Report 1.0, Page 10, Question 13)

ATTACHMENT ADMIN.03

Core Data Form

(Reference Administrative Report 1.0, Page 4, Section 3C)



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☐ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☒ Renewal (Core Data Form should be submitted with the renewal form)	☒ Other	Major Amendment
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 603067042		RN 110707106

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership				
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<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>	
Harris County Municipal Utility District No. 465				
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID	10. DUNS Number (if applicable)	
N/A	N/A	(9 digits)		
11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited	
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other	☐ Sole Proprietorship	☐ Other:		
12. Number of Employees		13. Independently Owned and Operated?		
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☐ Yes ☐ No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
☒ Owner ☐ Operator ☐ Owner & Operator ☐ Other:				
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant				
15. Mailing Address:	c/o Coats Rose			
	9 Greenway Plaza, Suite 1000			
	City	State	TX	ZIP
	Houston			77046
				ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)		
		sjohnson@coatsrose.com		

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(713) 653-5722		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)							
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information							
<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.)							
Harris County MUD No. 465 Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: (No PO Boxes)	27045 ½ Longenbaugh Rd						
	City	Katy	State	TX	ZIP	77493	ZIP + 4
24. County	Harris						

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

25. Description to Physical Location:							
26. Nearest City					State	Nearest ZIP Code	
<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:		29.887951			28. Longitude (W) In Decimal:		-95.840042
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
4952			221320				
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Wastewater Treatment Plant							
34. Mailing Address:	9 Greenway Plaza, Suite 1000						
	City	Harris	State	TX	ZIP	77046	ZIP + 4
35. E-Mail Address:		sjohnson@coatsrose.com					
36. Telephone Number		37. Extension or Code		38. Fax Number (if applicable)			
(713) 653-5722				() -			

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0015772001			

SECTION IV: Preparer Information

40. Name:	Danny C. Parks, P.E.		41. Title:	Project Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(281) 373-0500		() -	danny@waterengineers.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:	WaterEngineers, Inc.		Job Title:	Project Engineer
Name (In Print):	Danny C. Parks, P.E.		Phone:	(281) 373-0500
Signature:			Date:	5-28-2025

ATTACHMENT ADMIN.04

Plain Language Summary

(Reference Administrative Report 1.0, Page 6, Section 8F)



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

Harris County Municipal Utility District No. 465 (CN: 603067042) operates the Harris County MUD No. 465 Wastewater Treatment Plant (RN: 110707106)), a conventional activated sludge with nitrification process plant. The facility is located at 27045 ½ Longenbaugh Road, in Katy, Harris County, Texas 77493. This application is for a major amendment to the permit to discharge at a daily average flow of 490,000 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. The domestic wastewater is treated by a conventional activated sludge with nitrification process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters and a chlorine contact chamber.

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

AGUAS RESIDUALES DOMESTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Harris County Municipal Utility District No. 465 (CN: 603067042) opera La planta de tratamiento de aguas residuales de Harris County MUD No. 465 RN: 110707106) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación está ubicada en 27045 ½ Longenbaugh Road, en Katy, Condado de Harris, Texas 77493. Esta solicitud es para una enmienda importante al permiso para descargar un flujo promedio diario de 490,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 (Análisis de contaminantes del efluente tratado) en el paquete de solicitud de permiso. Las aguas residuales domésticas. está tratado por una planta de proceso convencional de lodos activados con nitrificación y las unidades de tratamiento incluirán una rejilla de barras, tanques de aireación, clarificadores finales, digestores de lodos y una cámara de contacto con cloro.

ATTACHMENT ADMIN.05

Public Involvement Plan

(Reference Administrative Report 1.0, Page 7, Section 8F)



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

- ☐ New Permit or Registration Application
☒ New Activity - modification, registration, amendment, facility, etc. (see instructions)

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

Section 2. Secondary Screening

- ☒ Requires public notice,
☐ Considered to have significant public interest, and
☒ Located within any of the following geographical locations:

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

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

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

Area is not determined to be environmentally sensitive and will therefore not be considered to have a significant public interest.

Section 3. Application Information

Type of Application (check all that apply):

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

Water Quality

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

Water Rights New Permit

- ☐ New Appropriation of Water
- ☐ New or existing reservoir

Amendment to an Existing Water Right

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

(Census Tract)

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

☐

City

☐

County

☐

Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

- ☐ TCEQ Regional Office ☐ TCEQ Central Office
- ☐ Public Place (specify)

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

- ☐ Publish in alternative language newspaper
- ☐ Posted on Commissioner's Integrated Database Website
- ☐ Mailed by TCEQ's Office of the Chief Clerk
- ☐ Other (specify)

ATTACHMENT ADMIN.06

Affected Landowner Map and List

(Reference Administrative Report 1.1, Page 12, Section 1A)

THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.	
 WATERENGINEERS, INC. <i>Water & Wastewater Treatment Consultants</i> TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066 17230 HUFFMEISTER ROAD TEL: 281-373-0500 CYPRESS, TEXAS 77429 FAX: 281-373-1113	
HARRIS COUNTY MUD No. 465 - APPLICANT HARRIS COUNTY MUD No. 465 WWTP APPLICATION FOR A MAJOR AMENDMENT AND RENEWAL TO TCEQ PERMIT No. WQ0015772001	
DOWNSTREAM & ADJACENT LANDOWNERS MAP	
DRAWN BY: BIR APPROVED BY: DCP SCALE: AS NOTED DATE: 4/17/2025 JOB No.: 6040-25042	DWG. NO.: ADMIN.06

TABLE "ADMIN.06"

HARRIS COUNTY MUNICIPAL UTILITY DISTRICT No. 465

Harris County MUD No. 465 Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

Source: Harris County Appraisal District

ID No. (See Attachment "ADMIN.06" Map)	Title Owner & Address
1	WINWARD COMMUNITY ASSOCIATION 6630 CYPRESSWOODS DR STE 100 SPRING TX 77379
2	FAB INTEGRATION STRATEGIES LLC 7742 SHOSHONE ST DENVER CO 80221
3	VIVIAN DUNN 26906 LANTANA CANYON DR KATY TX 77493
4	ATILANO JR & SYLVIA BARRIENTES 26910 LANTANA CANYON DR KATY TX 77493
5	BOU C JR & VIDAL MARIA Z BOEUN 26914 LANTANA CANYON DR KATY TX 77493
6	YU PROPERTY DEVELOPMENT LLC 801 FM 1463 RD STE 200 KATY TX 77494
7	GOMEZ RENATO & MARIA DEL CARMEN GONZALEZ 26922 LANTANA CANYON DR KATY TX 77493
8	TAMARA FITZHUGH DBA FRIENDSWOOD DEV CO PO BOX 1905 CYPRESS TX 77410
9	TONIA M & THERON N SR JEANJACQUES 7859 SWITCHGRASS CREEK DR KATY TX 77493

10	MAYGAN WASHINGTON 7855 SWITCHGRASS CREEK DR KATY TX 77493
11	JOAQUIN ARMENTA JR & STACEY DENISE ARMENTA 7851 SWITCHGRASS CREEK DR KATY TX 77493
12	CHADARIA LANE 7847 SWITCHGRASS CREEK DR KATY TX 77493
13	VIVIAN PHAM 7843 SWITCHGRASS CREEK DR KATY TX 77493
14	IRSLAN & SABIQA I SIDDIQ 7839 SWITHCGRASS CREEK DR KATY TX 77493
15	CASTRO FELIX L & FELIX RUTH M 7835 SWITCHGRASS CREEK DR KATY TX 77493
16	OJEDA LUIS ERNESTO & MENJIVAR ELIZABETH BALDERAS 7831 SWITCHGRASS CREEK DR KATY TX 77493
17	JARRED W & GAMEZ CLAUDIA Y MOORE 7827 SWITCHGRASS CREEK DR KATY TX 77493
18	DHADUK INC 4015 TUSCAN SHORE DR MISSOURI CITY TX 77459
19	GENEVIEVE GARCIA 7819 SWITCHGRASS CREEK DR KATY TX 77493
20	BAY STREET HOMES LLC 300 MONTGOMERY ST STE 350 SAN FRANCISCO CA 94104
21	PADILLA VIRGINIA Y & PAVON ANUAR O & PAVON JOSE R 7811 SWITCHGRASS CREEK DR KATY TX 77493
22	CHARLES C LESLEY JR 7807 SWITCHGRASS CREEK DR KATY TX 77493

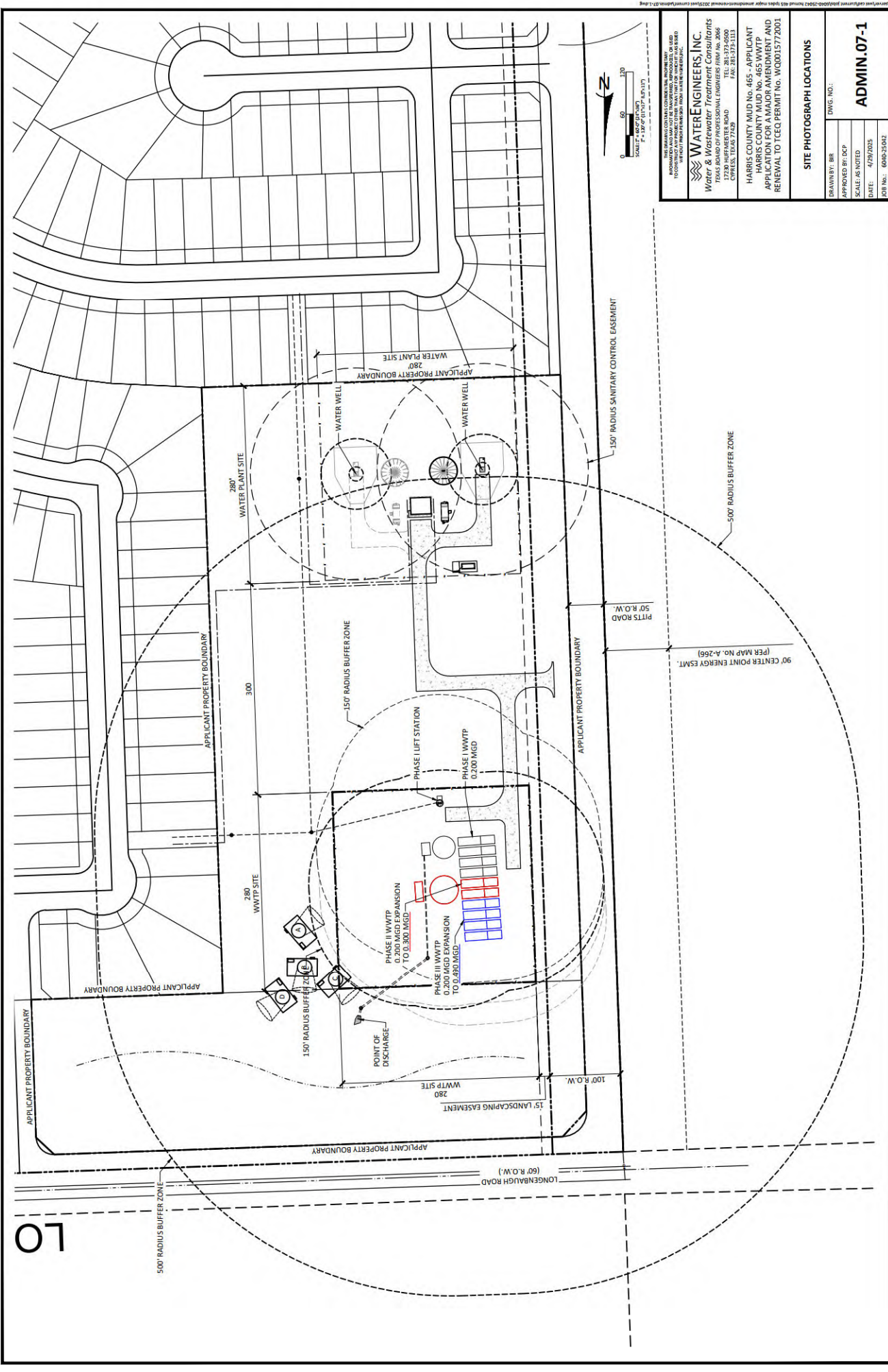
23	BROWNDOG CAPITAL LLC 7330 KINGLET CT KATY TX 77493
24	CORI RODRIGUEZ 7801 SWITCHGRASS CREEK DR KATY TX 77493
25	JESSICA A CLYMER & ANTONY B HAMES 27010 WINWARD CREEK TRL KATY TX 77493
26	LENNAR HOMES OF TEXAS LAND AND CONSTRUCTION LTD DBA FRIENDSWOOD DEV CO 681 GREENS PKWY STE 220 HOUSTON TX 77067
27	KAMIL K & KHALIQUE AMNA A AHMED 2311 WICKLOWE ST SUGAR LAND TX 77479
28	ADENIYI B ADE-ONOJOBI 25626 LUNA VISTA LN KATY TX 77494
29	TPA STRATEGIC SOLUTIONS LLC 89-57 207TH STREET QUEENS VILLAGE NY 11427
30	OYINS K TAWARI DBA FRIENDSWOOD DEV CO 27030 WINWARD CREEK TRL KATY TX 77493
31	MICHELLE L ELLETSON 27034 WINWARD CREEK TRL KATY TX 77493
32	MADISON V STEWART DBA FRIENDSWOOD DEV CO 7727 CEDAR BIRCH DR KATY TX 77493
33	COUNTY OF HARRIS PO BOX 1525 HOUSTON TX 77251
34	HARRIS COUNTY MUD NO 465 DBA FRIENDSWOOD DEVELOPMENT CO 13333 NORTHWEST FWY STE 620 HOUSTON TX 77040

35	HARRIS COUNTY MUD NO 465 13333 NORTHWEST FWY STE 620 HOUSTON TX 77040
36	LENNAR HOMES OF TEXAS LAND & CONSTUCTION % HEARTHSTONE INC 681 GREENS PKWY STE 220 HOUSTON TX 77067-4544

ATTACHMENT ADMIN.07

Photographs

(Reference Administrative Report 1.1, Page 13, Section 2)



THIS DRAWING IS THE PROPERTY OF WATER & WASTEWATER TREATMENT CONSULTANTS, INC. (W&W). IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF W&W.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM NO. 2066
17230 HUFFMASTER ROAD
COPPER, TEXAS 77429
TEL: 281-373-6500
FAX: 281-373-1113

HARRIS COUNTY MUD NO. 465 - APPLICANT
HARRIS COUNTY MUD NO. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT NO. WQ001572001

SITE PHOTOGRAPH LOCATIONS	
DRAWN BY: BR	DWG. NO.:
APPROVED BY: DCP	
SCALE: AS NOTED	
DATE: 4/29/2023	
JOB NO.: 6000-35002	

ADMIN. 07-1

LO

WASTEWATER TREATMENT PLANT SITE



POINT OF DISCHARGE



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants

TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066

17230 HUFFMEISTER ROAD
CYPRESS, TEXAS 77429

TEL: 281-373-0500
FAX: 281-373-1113

HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

SITE PHOTOGRAPHS

DRAWN BY: BIR

APPROVED BY: DCP

SCALE: AS NOTED

DATE: 4/16/2025

JOB No.: 6040-25042

DWG. NO.:

ADMIN.07-2

** SEE ADMIN.05-1 FOR LOCATION IN WHICH
PHOTOGRAPHS WERE TAKEN

UPSTREAM OF POINT OF DISCHARGE



DOWNSTREAM OF POINT OF DISCHARGE



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants

TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066

17230 HUFFMEISTER ROAD
CYPRESS, TEXAS 77429

TEL: 281-373-0500
FAX: 281-373-1113

HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

SITE PHOTOGRAPHS

DRAWN BY: BIR

APPROVED BY: DCP

SCALE: AS NOTED

DATE: 4/16/2025

JOB No.: 6040-25042

DWG. NO.:

ADMIN.07-3

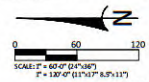
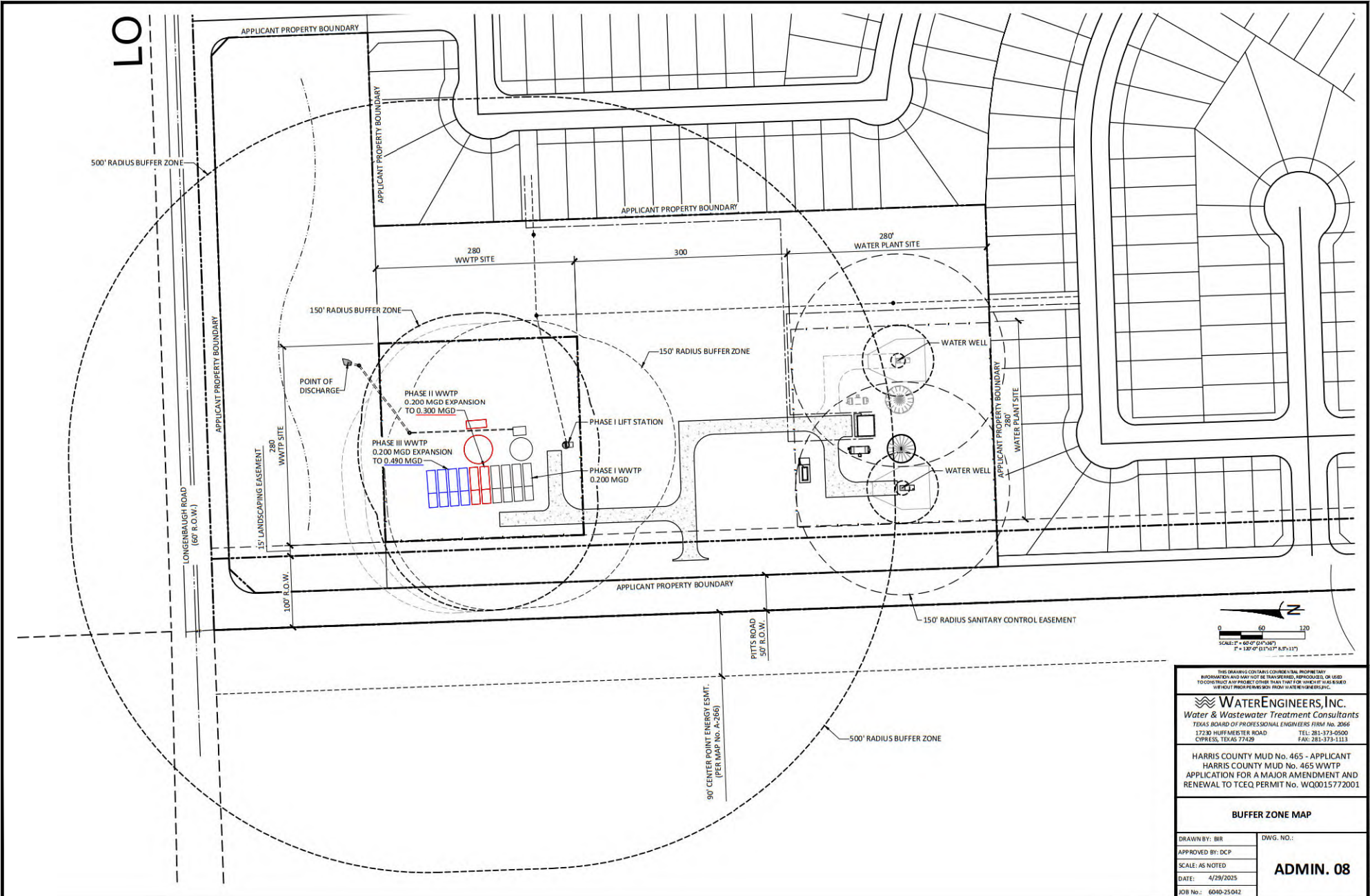
** SEE ADMIN.05-1 FOR LOCATION IN WHICH
PHOTOGRAPHS WERE TAKEN

ATTACHMENT ADMIN.08

Buffer Zone Map

(Reference Administrative Report 1.1, Page 13, Section 3A)

LO



THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF WATER ENGINEERS, INC.	
WATER ENGINEERS, INC. Water & Wastewater Treatment Consultants TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066 17230 HUFFMEISTER ROAD TEL: 281-373-0500 CYPRESS, TEXAS 77429 FAX: 281-373-1113	
HARRIS COUNTY MUD No. 465 - APPLICANT HARRIS COUNTY MUD No. 465 WWTP APPLICATION FOR A MAJOR AMENDMENT AND RENEWAL TO TCEQ PERMIT No. WQ0015772001	
BUFFER ZONE MAP	
DRAWN BY: BIR	DWG. NO.:
APPROVED BY: DCP	ADMIN. 08
SCALE: AS NOTED	
DATE: 4/29/2025	
JOB No.: 6040-25-042	

ATTACHMENT ADMIN.09

Supplemental Permit Information Form (SPIF) Including USGS Map & Site Plan

(Reference Administrative Report 1.0, Page 14)

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: Harris County Municipal Utility District No. 465

Permit No. WQ00 15772001

EPA ID No. TX 0139106

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

27045 1/2 Longenbaugh Road, Katy, TX 77493

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

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

First and Last Name: Fossati, Tarynn

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

Title: Compliance Manager

Mailing Address: 2815 Spring Cypress Road

City, State, Zip Code: Spring, TX 77388

Phone No.: 281-350-0895 Ext.: Fax No.:

E-mail Address: tarynnf@tng-utility.com

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

N/A

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.

From the WWTP thence piped to a drainage ditch, thence to detention ponds, thence to a drainage ditch, thence to a roadside ditch along Farm to Market (FM) 529, thence to South Mayde Creek, thence to Buffalo Bayou Above Tidal in Segment No. 1014 of the San Jacinto 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):

The WWTP Site future expansions will comprise of approximately 1/4 acre and include clearing, grubbing and some excavation less than 10 feet.

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

The land designated for the WWTP Site future expansion is currently vacant and unused.

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

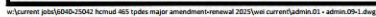
3. List construction dates of all buildings and structures on the property:

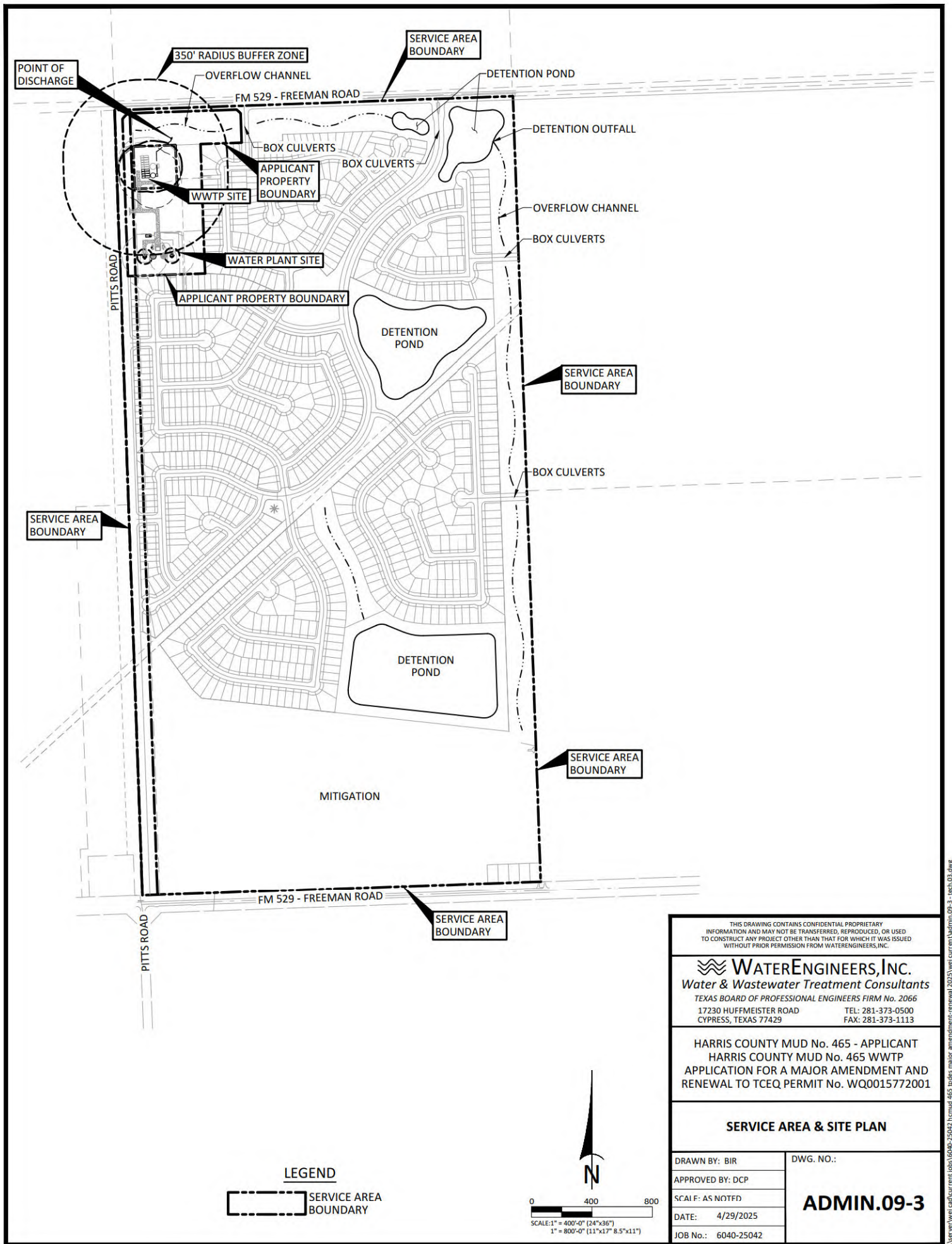
The land designated for the WWTP Site future expansions is currently vacant and unused.

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

The land designated for the WWTP Site expansions is currently vacant and unused.







LEGEND

— SERVICE AREA BOUNDARY

0 400 800

SCALE: 1" = 400'-0" (34"x36")
1" = 800'-0" (11"x17" 8.5"x11")



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WaterENGINEERS, Inc.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

SERVICE AREA & SITE PLAN

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: DCP	ADMIN.09-3
SCALE: AS NOTED	
DATE: 4/29/2025	
JOB No.: 6040-25042	

\\server\wet\current\jobs\6040-25042\hcmud 465\update\major amendment-renewal 2025\wet current\admin.09-3 - tech.dwg

ATTACHMENT TECH.01

Design & Loading Criteria Table

And Design Features for Reliability

(Reference Technical Report Page 22, Section 4)

PROCESS DESIGN & LOADING CALCULATIONS
HARRIS COUNTY MUD 465 WWTP (STEEL)
200,000 GPD, 300,000 GPD & 490,000 ADF - 4Q

INFLUENT CONDITIONS				
	Units	Phase I	Phase II	Final Phase
Average Daily Flow	gpd	200,000	300,000	490,000
Ratio Average / Peak Flow	Q	4	4	4
Peak 2-Hour Flow	gpd	800,000	1,200,000	1,960,000
Peak 2-Hour Flow	gpm	556	833	1361
BOD Concentration	mg/l	300	300	300
BOD Loading	lb/day	500	751	1,226

AERATION BASIN (Activated Sludge)				
	Units	Phase I	Phase II	Final Phase
Tank QTY		4	6	10
Tank Width	ft	12	12	12
Tank Length	ft	32	32	32
Tank Wall Height	ft	12	12	12
Tank SWD	ft	10.25	10.25	10.25
Tank Freeboard	ft	1.75	1.75	1.75
Total Tank Surface Area	sq. ft.	1,536	2,304	3,840
Total Tank Volume	cu. ft.	15,744	23,616	39,360
Total Tank Volume	gallons	117,765	176,648	294,413
BOD Loading	lbs / 1000 cu. ft.	31.78	31.78	31.15
Detention Time	hours	14.13	14.13	14.42
O2 Req'd @ 2.2 # O2/lb BOD	lbs / day	1,101	1,651	2,697
Diffuser CW Efficiency @ Field Conditions	% / ft sub.	1.00%	1.00%	1.00%
Diffuser Field Submergence	ft	9.50	9.50	9.50
Diffuser CW Transfer Eff.		9.50%	9.50%	9.50%
Correction Factor (Coarse Bubble)		0.65	0.65	0.65
Diffuser Field Transfer Eff. (WOTE)		6.18%	6.18%	6.18%
Process Required Air Flow Rate (RAF)	scfm	718	1,077	1,758
Mixing Air @ 20 scfm/1000 cu ft	scfm	315	472	787
Chosen Air Supply Rate	scfm	718	1,077	1,758
Temperature Correction Factor (30F)		1.27	1.27	1.27
Temperature Corrected Air Flow Rate	scfm	910	1365	2229
Air Supply	scfm / 1000 cu. ft.	58	58	57
RAS Airlift Air, scfm	scfm	34	52	86
Scum Airlift Air, scfm	scfm	5	10	15

CLARIFIER				
	Units	Phase I	Phase II	Final Phase
Tank QTY		1	1	
Tank Diameter	ft	32	40	
Tank Wall Height	ft	12	12	
Tank SWD	ft	10.42	9.60	
Tank Freeboard	ft	1.58	2.40	
Tank Surface Area	sq. ft.	804	1,257	2,061
Tank Volume	cu. ft.	8,380	12,064	20,444
Tank Volume	gallons	62,684	90,237	152,921
Avg. SOR	gpd / sq. ft.	249	239	238
Peak SOR	gpd / sq. ft.	995	955	951
Avg. Detention	hours	7.52	7.22	7.49
Peak Detention	hours	1.88	1.80	1.87
Max Qr @ 400 gpd/sf	gpm	223	349	572
Max Qr @ 400 gpd/sf	gpd	321,699	502,655	824,354
Max Qp + Qr	gpd	1,121,699	1,702,655	2,784,354

CHLORINE CONTACT BASIN				
	Units	Phase I	Phase II	Final Phase
Tank QTY		1	1	
Tank Width	ft	11	11	
Tank Length	ft	16	28	
Tank Wall Height	ft	11	11	
Tank SWD	ft	9.76	8.89	
Tank Freeboard	ft	1.24	2.11	
Tank Surface Area	sq. ft.	176	308	484
Tank Volume	cu. ft.	1,718	2,738	4,456
Tank Volume	gallons	12,849	20,481	33,330
Detention @ Qp	minutes	23.13	24.58	24.49
Air Supply Rate (20 scfm/1000 cu ft)	scfm	34	65	89

AEROBIC DIGESTER / SLUDGE HOLDING BASIN				
		Phase I	Phase II	Final Phase
Tank QTY		4	6	10
Tank Width	ft	12	12	12
Tank Length	ft	20	20	20
Tank Wall Height	ft	12	12	12
Tank SWD	ft	10.50	10.50	10.50
Tank Freeboard	ft	1.5	1.5	1.5
Tank Surface Area	sq. ft.	960	1,440	2,400
Tank Volume	cu. ft.	10,080	15,120	25,200
Tank Volume	gallons	75,398	113,098	188,496
BOD Loading	cu. ft. / lb BOD	20.14	20.14	20.55
Air Supply Rate (30 scfm/1000 cu ft)	scfm	302	454	756

AIR BLOWERS				
	Units	Phase I	Phase II	Final Phase
Aeration Basin Air Supply	scfm	910	1,365	2,229
RAS Airlift Air Supply	scfm	34	52	86
Scum Airlift Air Supply	scfm	5	10	15
Chlorination Basin Air Supply	scfm	34	55	89
Aerobic Digester Basin Air Supply	scfm	302	454	756
Total Required Air Supply	scfm	1,285	1,935	3,175
No. of Blowers		3	4	5
Capacity of Each Blower w/ 1 Out of Service	scfm	643	645	794
Chosen Blower Capacity (Each)	scfm	800	800	800
Blower Op Pressure	psi	5.31	5.31	5.31

DESIGN FEATURES FOR RELIABILITY

The Harris County MUD No. 465 Treatment Plant will be designed to provide a high degree of mechanical reliability consistent with TCEQ Design Criteria. The following describe design features that will be incorporated at the facilities to prevent bypassing or overflows of untreated wastewater:

- A. No infiltration/inflow is anticipated since the collection system is new and not subject to the effects of age and deterioration at this time.
- B. The electrical service that will serve the Harris County MUD No. 465 site is reliable with most outages lasting less than 2-4 hours. However, Harris County Municipal Utility District No. 465 has a generator to operate necessary plant components during extended outages.
- C. All mechanical units, such as influent pumps, blowers and chemical feed pumps will be installed with spare units in the event a piece of equipment is out of service for repairs.
- D. Plant units will be maintained per TCEQ standards and repaired as quickly as possible should failure occur.
- E. The facilities includes an auto-dialer that will call the operator in case of power outages, blower malfunctions, lift station malfunctions or high-water alarm situations.

ATTACHMENT TECH.02

Process Flow Diagram

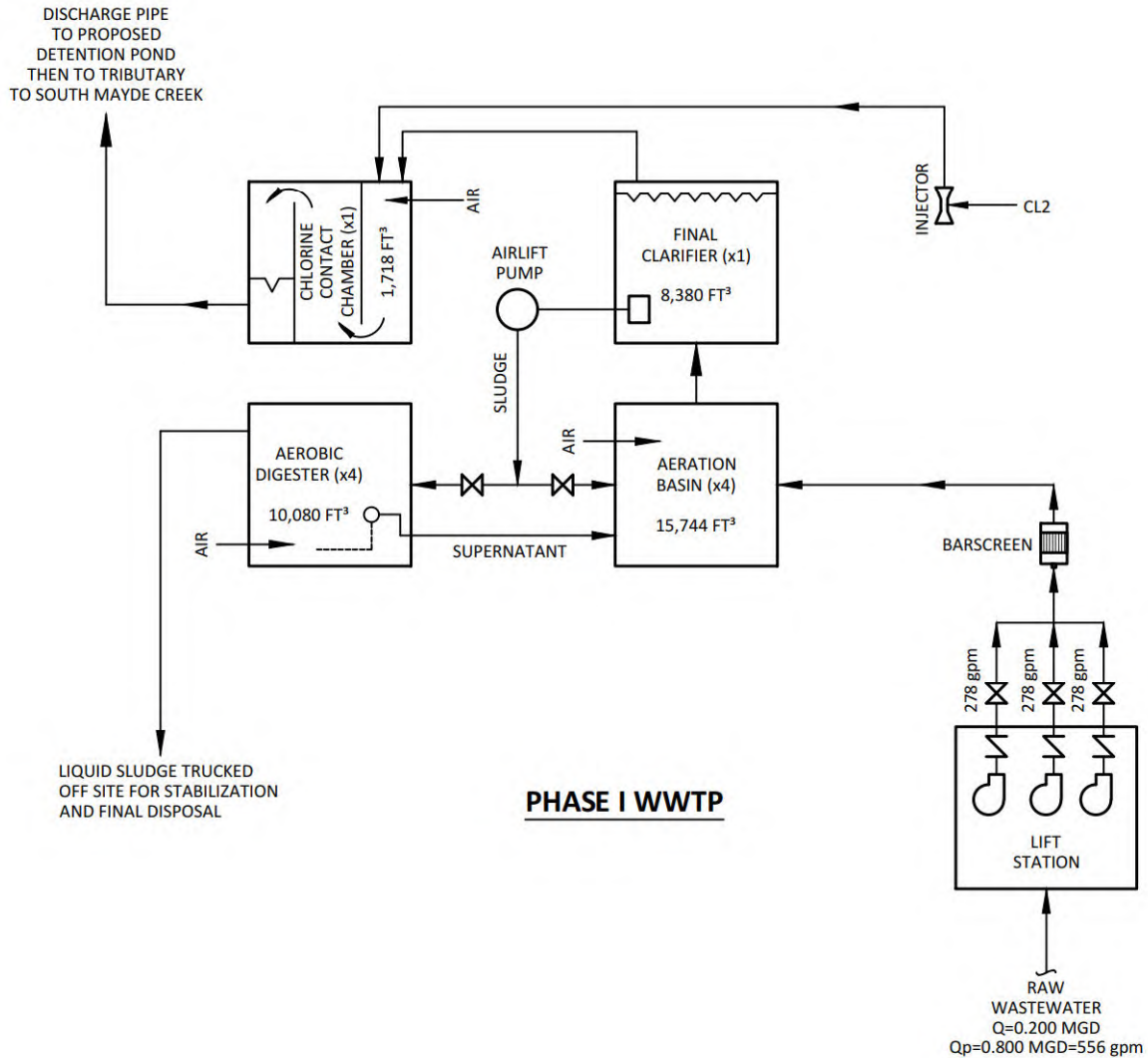
(Reference Technical Report Page 2, Question 2C)

DISCHARGE PIPE
TO PROPOSED
DETENTION POND
THEN TO TRIBUTARY
TO SOUTH MAYDE CREEK

LIQUID SLUDGE TRUCKED
OFF SITE FOR STABILIZATION
AND FINAL DISPOSAL

PHASE I WWTP

RAW
WASTEWATER
Q=0.200 MGD
Qp=0.800 MGD=556 gpm



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY
INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED
TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED
WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

FLOW SCHEMATIC

DRAWN BY: BIR

APPROVED BY: DCP

SCALE: AS NOTED

DATE: 4/29/2025

JOB No.: 6040-25042

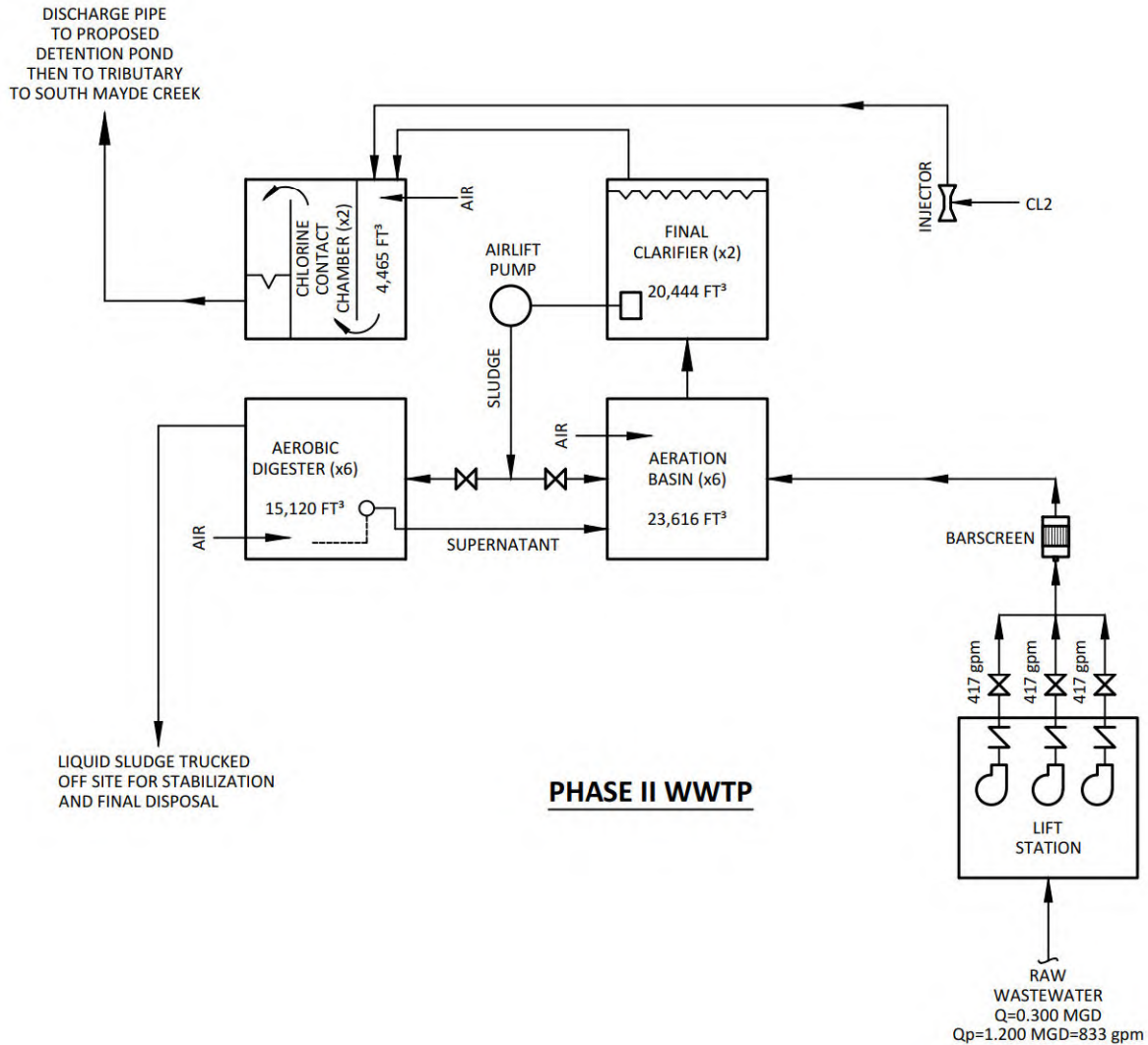
DWG. NO.:

TECH.02-1

DISCHARGE PIPE
TO PROPOSED
DETENTION POND
THEN TO TRIBUTARY
TO SOUTH MAYDE CREEK

LIQUID SLUDGE TRUCKED
OFF SITE FOR STABILIZATION
AND FINAL DISPOSAL

PHASE II WWTP



BAR SCREEN

417 gpm

417 gpm

417 gpm

LIFT STATION

RAW
WASTEWATER
Q=0.300 MGD
Qp=1.200 MGD=833 gpm

THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY
INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED
TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED
WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

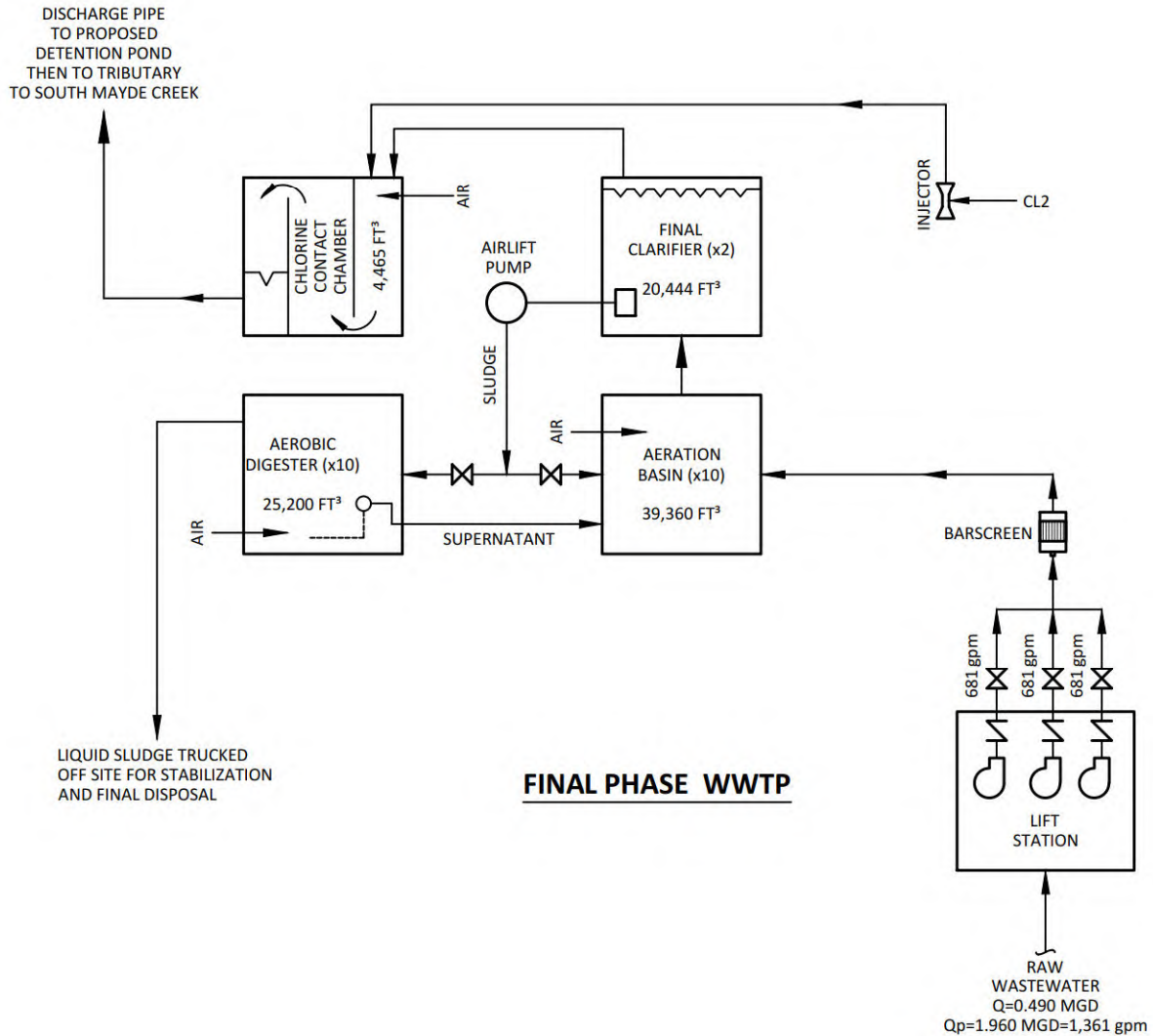
HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

FLOW SCHEMATIC

DRAWN BY: BIR
APPROVED BY: DCP
SCALE: AS NOTED
DATE: 4/29/2025
JOB No.: 6040-25042

DWG. NO.:

TECH.02-2



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

HARRIS COUNTY MUD No. 465 - APPLICANT
HARRIS COUNTY MUD No. 465 WWTP
APPLICATION FOR A MAJOR AMENDMENT AND
RENEWAL TO TCEQ PERMIT No. WQ0015772001

FLOW SCHEMATIC

DRAWN BY: BIR	DWG. NO.: TECH.02-3
APPROVED BY: DCP	
SCALE: AS NOTED	
DATE: 4/29/2025	
JOB No.: 6040-25042	

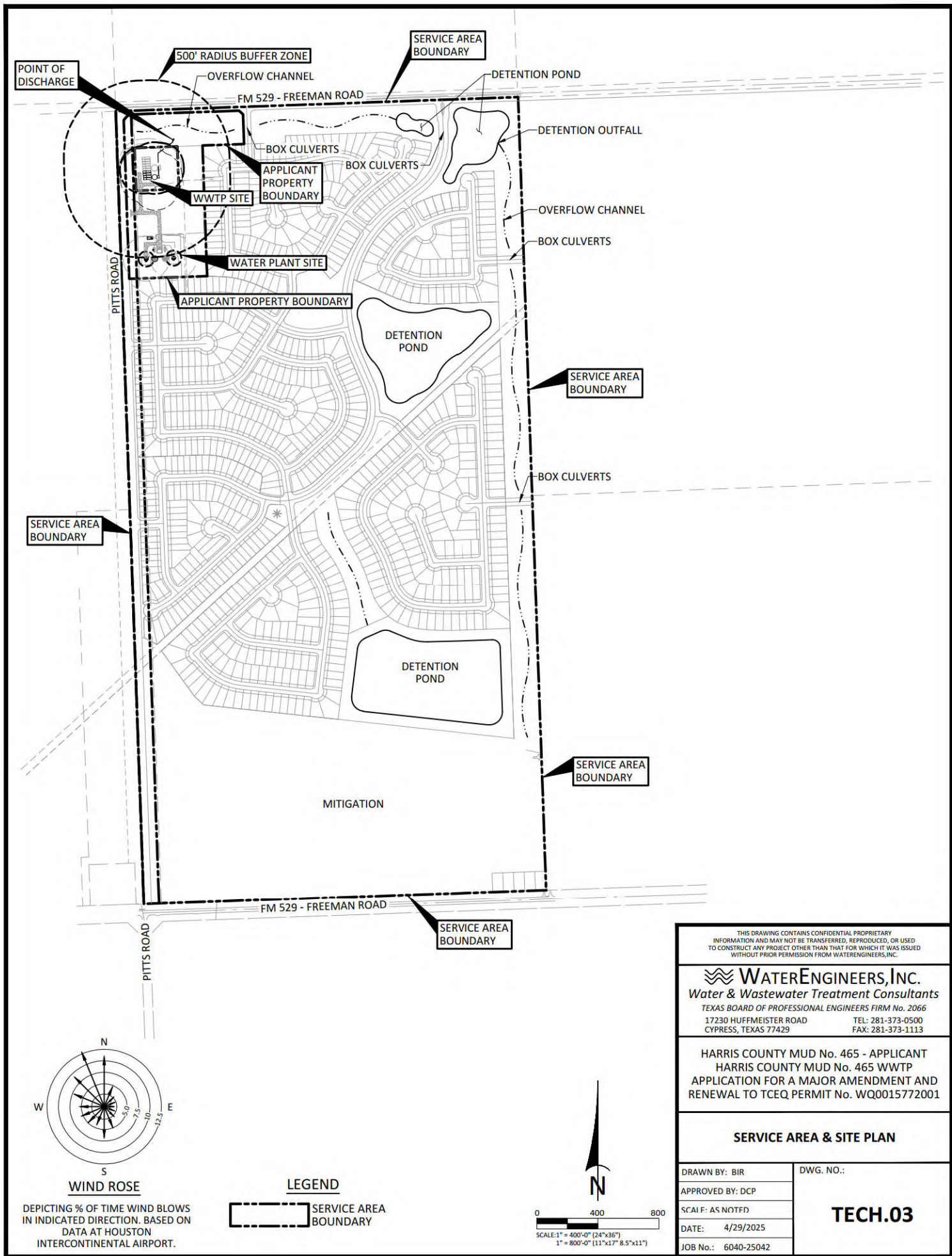
ATTACHMENT TECH.03

Site Drawing

(Reference Technical Report Page 2, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 23, Question 5B)



ATTACHMENT TECH.04

Solids Management Plan

(Reference Technical Report Page 23, Question 7)

**ATTACHMENT TECH.04
SLUDGE MANAGEMENT PLAN**

1. Type of Wastewater Treatment Process Used

The Harris County MUD No. 465 Wastewater Treatment Plant (WWTP) will use the activated sludge with nitrification process. Solids analyses have been made based upon a spreadsheet calculation set up using sludge kinetic calculations developed by Dr. Ross McKinney and published in Notes on Activated Sludge, 1971, by Brian L. Goodman. Table TECH.04-01, TECH.04-02 and TECH.04-03 show the process design and sludge generation calculations for the design flow of 200,000 gpd, 300,000 and 490,000 gpd respectively.

2. Dimensions and Capacities

Phase I of the wastewater treatment facility will have a single digester which will provide for a volume of 10,080 cu. ft., surface area of 960 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 20.14 cu. ft./lb BOD.

Phase II of the wastewater treatment facility will have a single digester which will provide for a volume of 15,120 cu. ft., surface area of 1,440 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 20.14 cu. ft./lb BOD.

Final Phase of the wastewater treatment facility will have a single digester which will provide for a volume of 25,200 cu. ft., surface area of 2,400 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 20.55 cu. ft./lb BOD.

3. Sludge Generation Calculations

Sludge generation calculations showing the amount of solids generated at 100%, 75%, 50% and 25% of design flows are included in Attachment TECH.04-01, TECH.04-02 and TECH.04-03. These are the solids that must be wasted from the activated sludge process and that must be stabilized in the aerobic digester. The results are summarized in the following table:

Phase	Solids @ 100% Qavg, lb/day	Solids @ 75% Qavg, lb/day	Solids @ 50% Qavg, lb/day	Solids @ 25% Qavg, lb/day
Phase I	341	256	171	86
Phase II	512	384	256	128
Final Phase	836	628	419	209

4. Operating Range of Mixed Liquor Suspended Solids

The calculations that predict the mixed liquor suspended solids in the activated sludge process are located in the following table:

Phase	Predicted Solids @100% Flow		Predicted Solids @75% Flow		Predicted Solids @50% Flow		Predicted Solids @25% Flow	
	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l
Phase I	10	3,596	13	3,508	20	3,600	40	3,602
Phase II	10	3,596	13	3,508	20	3,600	40	3,602
Final Phase	10	3,524	13	3,438	20	3,528	40	3,530

5. Solids Removal Procedures

The removal of waste activated sludge from the activated sludge process is achieved by wasting sludge from the bottom of the clarifier into the aerobic digester using the waste sludge airlift pump. In order to thicken solids prior to putting them into the digester, the air lift is turned off for approximately one hour prior to wasting. Periodically (two to three times a week) the air supply to the aerobic digester is shut off, allowing solids to settle to the bottom of the digester. Then the supernatant liquor is decanted with an adjustable decant airlift pump and returned to the selector basin. After a sufficient period of digestion and/or the digester is full, sludge is removed from the digester by a vacuum truck by hooking the truck hose to the piping connection and opening the shut off valve.

6. Quantity of Solids to Be Removed and Solids Removal Schedule

The quantity of solids to be removed at the various plant loadings are presented in the following table. These quantities shown in the tabulation are *monthly* quantities based upon an influent BOD of 300 mg/l and TSS of 200 mg/l. If the strength of the influent wastewater varies significantly, solids removal quantities will be different.

Phase	@ 100 % Flow Capacity		@ 75 % Flow Capacity		@ 50 % Flow Capacity		@ 25 % Flow Capacity	
	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month
Phase I	2.0	48,657	2.0	36,518	2.0	24,350	2.0	12,181
Phase II	2.0	72,985	2.0	54,776	2.0	36,525	2.0	18,271
Final Phase	2.0	119,236	2.0	89,487	2.0	59,670	2.0	29,848

7. Identification of Disposal Site

The disposal of sludge from the WWTP is contracted to sludge management and disposal contractor who transports liquid sludge from the digester to other wastewater treatment facilities for further processing or to land application after stabilization. Solids documentation is assured by measuring the volume of each sludge withdrawal and measuring the sludge solids concentrations. All required data is included in the annual sludge report to the TCEQ.

ATTACHMENT 4-01
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
HARRIS COUNTY MUD 465 WWTP (STEEL)
200,000 GPD ADF - 4Q

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.200	Aeration Vol, cu ft	15,744
Infl. BOD, mg/l	300	Clarifier Diameter, ft	32
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	10.42
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	804
BOD Loading, lb/day	500	Clarifier Volume, cu ft	8,380
BOD Load, #/1000 cu ft	31.78	Temperature, deg C	20

Actual Plant Loading, %	100%	75.0%	50%	25.0%
Actual Flow Rate, mgd	0.200	0.150	0.100	0.050
BOD Loading, #/Day	500	375	250	125
Ret. Sludge Rate, gpd/sq ft	400	400	400	400
Ret. Sludge Flow, mgd	0.32	0.32	0.32	0.32
t = Aeration Time, days	0.589	0.785	1.178	2.355
ts = Sludge Age, Days	10.0	13.0	20.0	40.0
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.24	0.18	0.12	0.06
F = Effl Soluble BOD	1.41	1.06	0.71	0.35
Ma = Active Mass	1,036	1,011	1,038	1,039
Me = Endogenous Mass	597	582	598	599
Mi = Inert Organic Mass	951	927	951	951
Mii = Inert Inorganic Mass	1,012	987	1,013	1,013
Mt = Total Mass, mg/l	3,596	3,508	3,600	3,602
Total Mass in Aeration Basin, lb	3,532	3,445	3,536	3,538
Lb BOD/Lb MLSS/Day	0.142	0.109	0.071	0.035
Effl TSS, mg/l	7	7	7	7
Effl BOD, mg/l	3	2	2	2
Sludge Accumulation, lb/day	353	265	177	88
TSS Lost In Effluent, lb/day	12	9	6	3
Waste Sludge, lb/day	341	256	171	85
Return Sludge Conc, mg/l	5,831	5,144	4,719	4,162
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd	4,091	3,073	2,048	1,024

SLUDGE HOLDING TANK

Volume, cu ft	10,080			
Design Loading, cu ft/lb BOD	20.14	26.86	40.29	80.58
Incoming Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	36.86	49.08	73.64	147.19
Infl Total Solids, lb/day	341	256	171	85
Infl Active Mass, lb/day	98	74	49	25
Effl Active Mass, lb/Day	10	7	5	3
Active Mass Red., lb/day	71	53	35	18
Digester Effl Solids, lb/day	271	203	135	68
Sludge Disposed, lb/mg	1,353	1,354	1,354	1,354
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	1,622	1,217	812	406
Sludge Hauled, gal/month	48,657	36,518	24,350	12,181

ATTACHMENT 4-02
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
HARRIS COUNTY MUD 465 WWTP (STEEL)
300,000 GPD ADF - 4Q

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.300	Aeration Vol, cu ft	23,616
Infl. BOD, mg/l	300	Clarifier Diameter, ft	40
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	10.42
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	1,257
BOD Loading, lb/day	751	Clarifier Volume, cu ft	13,094
BOD Load, #/1000 cu ft	31.78	Temperature, deg C	20

Actual Plant Loading, %	100%	75.0%	50%	25.0%
Actual Flow Rate, mgd	0.300	0.225	0.150	0.075
BOD Loading, #/Day	751	563	375	188
Ret. Sludge Rate, gpd/sq ft	400	400	400	400
Ret. Sludge Flow, mgd	0.50	0.50	0.50	0.50
t = Aeration Time, days	0.589	0.785	1.178	2.355
ts = Sludge Age, Days	10.0	13.0	20.0	40.0
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.24	0.18	0.12	0.06
F = Effl Soluble BOD	1.41	1.06	0.71	0.35
Ma = Active Mass	1,036	1,011	1,038	1,039
Me = Endogenous Mass	597	582	598	599
Mi = Inert Organic Mass	951	927	951	951
Mii = Inert Inorganic Mass	1,012	987	1,013	1,013
Mt = Total Mass, mg/l	3,596	3,508	3,600	3,602
Total Mass in Aeration Basin, lb	5,297	5,168	5,304	5,307
Lb BOD/Lb MLSS/Day	0.142	0.109	0.071	0.035
Effl TSS, mg/l	7	7	7	7
Effl BOD, mg/l	3	2	2	2
Sludge Accumulation, lb/day	530	398	265	133
TSS Lost In Effluent, lb/day	18	13	9	5
Waste Sludge, lb/day	512	384	256	128
Return Sludge Conc, mg/l	5,742	5,078	4,674	4,140
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd	6,136	4,609	3,072	1,537

SLUDGE HOLDING TANK

Volume, cu ft	15,120			
Design Loading, cu ft/lb BOD	20.14	26.86	40.29	80.58
Incoming Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	36.86	49.08	73.64	147.19
Infl Total Solids, lb/day	512	384	256	128
Infl Active Mass, lb/day	147	111	74	37
Effl Active Mass, lb/Day	15	11	8	4
Active Mass Red., lb/day	106	80	53	27
Digester Effl Solids, lb/day	406	305	203	102
Sludge Disposed, lb/mg	1,353	1,354	1,354	1,354
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	2,433	1,826	1,218	609
Sludge Hauled, gal/month	72,985	54,776	36,525	18,271

ATTACHMENT 4-03
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
HARRIS COUNTY MUD 465 WWTP (STEEL)
490,000 GPD ADF - 4Q

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.490	Aeration Vol, cu ft	39,360
Infl. BOD, mg/l	300	Clarifier Diameter, ft	
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	2,061
BOD Loading, lb/day	1,226	Clarifier Volume, cu ft	20,444
BOD Load, #/1000 cu ft	31.15	Temperature, deg C	20

Actual Plant Loading, %	100%	75.0%	50%	25.0%
Actual Flow Rate, mgd	0.490	0.368	0.245	0.123
BOD Loading, #/Day	1226	919	613	306
Ret. Sludge Rate, gpd/sq ft	400	400	400	400
Ret. Sludge Flow, mgd	0.82	0.82	0.82	0.82
t = Aeration Time, days	0.601	0.801	1.202	2.403
ts = Sludge Age, Days	10.0	13.0	20.0	40.0
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.24	0.18	0.12	0.06
F = Effl Soluble BOD	1.38	1.04	0.69	0.35
Ma = Active Mass	1,015	991	1,017	1,019
Me = Endogenous Mass	585	571	586	587
Mi = Inert Organic Mass	932	909	932	932
Mii = Inert Inorganic Mass	992	968	993	993
Mt = Total Mass, mg/l	3,524	3,438	3,528	3,530
Total Mass in Aeration Basin, lb	8,653	8,441	8,663	8,668
Lb BOD/Lb MLSS/Day	0.142	0.109	0.071	0.035
Effl TSS, mg/l	7	7	7	7
Effl BOD, mg/l	3	2	2	2
Sludge Accumulation, lb/day	865	649	433	217
TSS Lost In Effluent, lb/day	29	21	14	7
Waste Sludge, lb/day	836	628	419	209
Return Sludge Conc, mg/l	5,619	4,970	4,577	4,055
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd	10,030	7,533	5,021	2,512

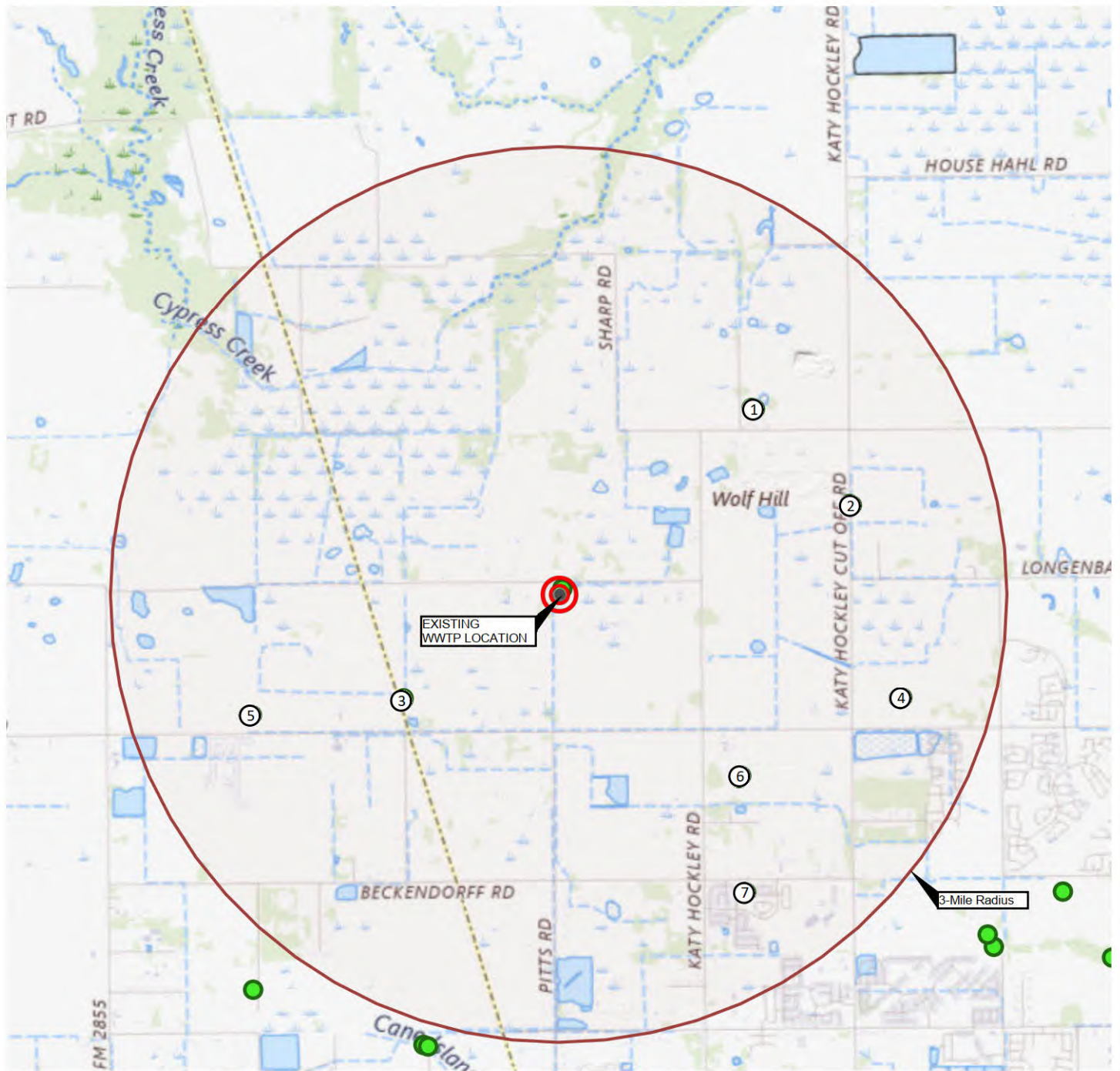
SLUDGE HOLDING TANK

Volume, cu ft	25,200			
Design Loading, cu ft/lb BOD	20.55	27.41	41.11	82.22
Incoming Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	37.59	50.04	75.09	150.09
Infl Total Solids, lb/day	836	628	419	209
Infl Active Mass, lb/day	241	181	121	60
Effl Active Mass, lb/Day	24	18	12	6
Active Mass Red., lb/day	174	131	87	44
Digester Effl Solids, lb/day	663	498	332	166
Sludge Disposed, lb/mg	1,353	1,354	1,354	1,355
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	3,975	2,983	1,989	995
Sludge Hauled, gal/month	119,236	89,487	59,670	29,848

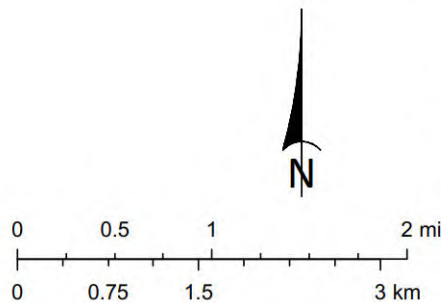
ATTACHMENT TECH.05

Map and List of Facilities within 3 Miles And Service Request Correspondence

(Reference Technical Report Page 20, Section 1B3)



PERMITTEE	
CALL OUT	TPDES PERMIT #
1	WQ0016678001
2	WQ0013921001
3	WQ0016530001
4	WQ0016636001
5	WQ0016452001
6	WQ0015809001
7	WQ0015222002



THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED WITHOUT PRIOR PERMISSION FROM WATERENGINEERS, INC.

WATERENGINEERS, INC.
 Water & Wastewater Treatment Consultants
 TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
 17230 HUFFMEISTER ROAD TEL: 281-373-0500
 CYPRESS, TEXAS 77429 FAX: 281-373-1113

APPLICANT: HARRIS COUNTY MUNICIPAL UTILITY DISTRICT NO. 465
 HARRIS COUNTY MUD NO. 465 WWTP
 APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT

THREE MILE RADIUS PERMITTEE MAP

DRAWN BY: DCP	DWG. NO.:
APPROVED BY: SBY	TECH.05
SCALE: AS NOTED	
DATE: 3/26/2025	
JOB No.: 6040-25042	

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5238 74

Woodmere Development Co., Ltd.
15915 Katy Freeway, Suite 405
Houston, TX 77094

Re: TCEQ Waste Discharge Permit No. WQ0016678001 – Harris County MUD 606 Wastewater Treatment Plant

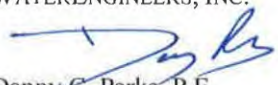
Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 ½ Longenbaugh Rd., Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____	Signature: _____
Name of Permittee: <u>Woodmere Development Co., Ltd.</u>	Printed Name: _____
Capacity Available (Yes / No)? _____	Title: _____
Terms (if available) _____	Address: _____
_____	_____
_____	Telephone: _____
_____	Email: _____

WEI Project Reference: 6040-25042 HCMUD 465 WWTP TPDES MAJOR AMEND

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5238 67

Harris County
1111 Fannin Street, Floor 12
Houston, TX 77002

Re: TCEQ Waste Discharge Permit No. WQ0013921001 – Harris County Leadership Academy Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 1/2 Longenbaugh Rd., Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____

Signature: _____

Name of Permittee: Harris County

Printed Name: _____

Capacity Available (Yes / No)? _____

Title: _____

Terms (if available) _____

Address: _____

Telephone: _____

Email: _____

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5238 50

Harris-Waller Counties Municipal Utility District No. 8
9 Greenway Plaza, Suite 1000
Houston, TX 77046

Re: TCEQ Waste Discharge Permit No. WQ0016530001 – Harris-Waller Counties Municipal Utility District No. 8 Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 ½ Longenbaugh Rd., Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____

Signature: _____

Name of Permittee: Harris-Waller Counties MUD No. 8

Printed Name: _____

Capacity Available (Yes / No)? _____

Title: _____

Terms (if available) _____

Address: _____

Telephone: _____

Email: _____

WEI Project Reference: 6040-25042 HCMUD 465 WWTP TPDES MAJOR AMEND

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5238 43

Stor N Geaux LLC
P.O. Box 219
Fresno, TX 77545

Re: TCEQ Waste Discharge Permit No. WQ0016636001 – Stor N Geaux Wastewater Treatment Facility

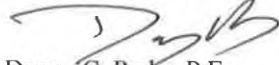
Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 1/2 Longenbaugh Rd., Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: 4-1-25

Name of Permittee: Stor N Geaux LLC

Capacity Available (Yes) (No)

Terms (if available) _____

Signature: 

Printed Name: AMY NAVARRE

Title: President

Address: 909 Bingham Ln

New Braunfels, TX 77132

Telephone: 281-924-7326

Email: Navarre amy@gmail.com



March 26, 2025

East Waller County Management District
401 Congress Avenue, Suite 2100
Austin, TX 78701

Re: TCEQ Waste Discharge Permit No. WQ0016452001 – East Waller County Management District Sofi Lakes Wastewater Treatment Facility

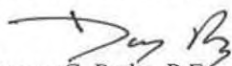
Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 1/2 Longenbaugh Rd Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____ Signature: _____
Name of Permittee: East Waller County Management District Printed Name: _____
Capacity Available (Yes / No)? _____ Title: _____
Terms (if available) _____ Address: _____

Telephone: _____
Email: _____

 WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5238 29

Harris County Municipal Utility District No. 539
3200 Southwest Freeway, Suite 2600
Houston, TX 77027

Re: TCEQ Waste Discharge Permit No. WQ0015809001 – Harris County Municipal Utility District No. 539
Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of Harris County Municipal District No. 465 regarding a proposed wastewater treatment facility project to treat domestic wastewater in Harris County, located at 27045 1/2 Longenbaugh Rd., Katy, TX 77493, as shown on the attached map. Harris County Municipal District No. 465 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit for 490,000 gallons per day (gpd).

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment facility permit holder within 3-miles that has the required capacity available or will expand their facility to make it available, we will conduct a feasibility study to determine if it is cost effective to obtain service from them.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: 4/4/25
Name of Permittee: Harris County MUD No. 539
Capacity Available (Yes / No)
Terms (if available) _____

Signature: 
Printed Name: Mark Swanson
Title: District Engineer
Address: 3606 W. Sam Houston Pkwy S.
Houston, TX 77042
Telephone: 713-953-5205
Email: mswanson@lga.com

WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A
CYPRESS, TEXAS 77429
TEL: 281-373-0500
FAX: 281-373-1113

March 26, 2025

Gert. Mail Receipt: 9589 0710 5270 2071 5238 12

Harris County Municipal Utility District No. 495
3200 Southwest Freeway, Suite 2600
Houston, TX 77027

Re: TCEQ Waste Discharge Permit No. WQ0015222
Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of Harris County Municipal Utility District No. 495, a wastewater treatment facility project to treat domestic wastewater in Harris County, Texas, as shown on the attached map. Harris County Municipal Utility District No. 495 is in the process of applying for a Major Amendment to the TCEQ Wastewater Discharge Permit No. WQ0015222.

We are required to contact all existing TCEQ Wastewater Discharge Permit holders within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide additional capacity. According to TCEQ records, you are a permittee having an existing wastewater treatment facility located within 3-miles of the project and have a TCEQ Waste Discharge Permit. If we find you are an existing permit holder within 3-miles that has the required capacity available or will expand capacity, we will conduct a feasibility study to determine if it is cost effective to obtain additional capacity.

We will appreciate receiving a response from you indicating if 490,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.


Danny C. Parks, P.E.

cc: Harris County Municipal District No. 465

Attachment: 3-Mile Radius Map

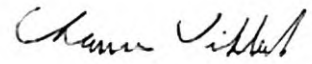
REPLY

Date of Reply: 04/16/25

Name of Permittee: Harris County MUD No. 495

Capacity Available (Yes / No)? No

Terms (if available) _____

Signature: 

Printed Name: Chance Vinklerek, P.E.

Title: Project Manager

Address: 1904 W Grand Pkwy N., Ste 100
Katy, TX 77449

Telephone: 713-953-5159

Email: cvinklerek@lja.com

9589 0710 5270 2071 5238 74

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To Woodmen Development Co, Ltd.
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 67

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To HARRIS COUNTY
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042 RFS DP

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 50

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To HARRIS-WALLER COURTHOUSE MUN NO. 8
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042 RFS DP

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 43

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To STAN N GEAUX LLC
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042 RFS DP

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 36

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To EAST WALLER COUNTY MANAGEMENT DEPT
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042 RFS DP

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 29

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT

Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy)	\$
☐ Return Receipt (electronic)	\$
☐ Certified Mail Restricted Delivery	\$
☐ Adult Signature Required	\$
☐ Adult Signature Restricted Delivery	\$

Postmark
Here

Postage
\$
Total Postage and Fees
\$

Sent To HARRIS COUNTY MUN NO. 539
Street and Apt. No., or PO Box No.

City, State, ZIP+4® 6040-25042 RFS DP

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2071 5238 12

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$ _____
☐ Return Receipt (electronic) \$ _____
☐ Certified Mail Restricted Delivery \$ _____
☐ Adult Signature Required \$ _____
☐ Adult Signature Restricted Delivery \$ _____

Postage

\$

Total Postage and Fees

\$

Sent To

HARRIS County MVD NO. 495

Street and Apt. No., or PO Box No.

City, State, ZIP+4®

6040-25042 RFS DR

Postmark
Here

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

6040-25042 RFS DP

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Signature Confirmation™ ☐ Collect on Delivery Restricted Delivery



9590 9402 8759 3310 7754 49

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 43

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

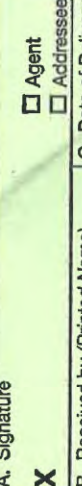
- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

STON N GEAUX LLC
P.O. Box 214
FRESNO, TX 77545

6040-25042 RFS DP

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Signature Confirmation™ ☐ Collect on Delivery Restricted Delivery



9590 9402 8759 3310 7754 70

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 29

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

STON N GEAUX LLC
P.O. Box 214
FRESNO, TX 77545

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

WOODMCRE DEVELOPMENT CO., LTD.
15715 KATY FWY, SUITE 405
HOUSTON, TX 77094



9590 9402 8759 3310 7754 18

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 74

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

HARRIS COUNTY MUNICIPAL UTILITY
DISTRICT NO. 495
3200 SOUTHWEST FREEMAN, SUITE 2600
HOUSTON, TX 77027



9590 9402 8759 3310 7754 63

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 12

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Signature Confirmation™ ☐ Collect on Delivery Restricted Delivery

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 74

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature  ☒ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

APR 01 2025
Saylor I. McPhoy

3. Service Type ☐ Priority Mail Express® ☐ Registered Mail™ ☐ Adult Signature Restricted Delivery ☐ Certified Mail® ☐ Signature Confirmation™ ☐ Collect on Delivery Restricted Delivery

Article Number (Transfer from service label)

9589 0710 5270 2071 5238 12

Domestic Return Receipt

6040-15041 12FS DP

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

HARRIS WAREZ COUNTIES MUD NO. 8
9 GREENWAY PLAZA, SUITE 1000
HOUSTON, TX 77046



9590 9402 8759 3310 7754 32

2. Article Number (Transfer from service label)

9589 0710 5270 2071 5238 50

PS Form 3811, July 2020 PSN 7530-02-000-9053

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®

WATERENGINEERS, INC.
17230 HUFFMEISTER ROAD
SUITE A
CYPRESS, TX 77429



9589 0710 5270 2071 5238 36

HOUSTON TX RPDC 773



03/26/2025
033B 007182163

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent ☐ Addressee
B. Received by Printed Name C. Date of Delivery 3/29/05
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
☐ Adult Signature ☐ Registered Mail Express®
☐ Certified Mail® ☐ Registered Mail Restricted Delivery
☐ Collect on Delivery ☐ Signature Confirmation™
☐ Restricted Delivery

Domestic Return Receipt

East Waller County Management District
401 Congress Avenue, Suite 2100
Austin, TX 78701

Re: TCEQ Waste Discharge Permit No. WQ00164
Waller County Wastewater Treatment Facility

7270925033

NIXIE 787 FE 1 0004/01/25

RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD

SC: 77429164330 *1933-19273-27-42

Handwritten signature

ATTACHMENT TECH.06

Pollutant Analysis of Treated Effluent

Laboratory Results

(Reference Technical Report Page 9, Section 7)



130 S. Trade Center Parkway, Conroe TX 77385

Tel: (936) 321-6060

Email: lab@nwdls.com

www.NWDLS.com

March 17, 2025

Laboratory Report

Tarynn Fossati
TNG Utility
P.O. Box 2749
Spring, TX 77383

Report ID: 20250317080813JKW

The following test results meet all NELAP requirements for analytes for which certification is available. Any deviations from our quality system will be noted in the case narrative. All analyses performed by North Water District Laboratory Services, Inc. unless noted.

For questions regarding this report, contact Monica Martin at 936-321-6060.

Sincerely,

Justin Wood For Aundra Noe
Project Manager

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Sample Results

Client Sample ID: Outfall 001

Lab Sample ID: 25B3066-01

HC MUD 465 - Non Potable - Special Effluent

[none]

Sample Matrix: Waste Water

Date Collected: 02/17/2025 11:20

Collected by: Jimmy Andara

Method	Analyte	*	Result	Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
--------	---------	---	--------	---	-------	----	-----	-----	-------	----------	---------

Metals, Total

EPA 200.7	Total Phosphorus	A	3.14		mg/L	1	0.104	1.00	BIB2112	02/19/2025 10:07	JKC
-----------	------------------	---	------	--	------	---	-------	------	---------	------------------	-----

Metals, Dissolved

EPA 200.7	Aluminum	A	0.0316		mg/L	1	0.0146	0.0300	BIB2898	02/26/2025 10:38	JKC
-----------	----------	---	--------	--	------	---	--------	--------	---------	------------------	-----

General Chemistry

SM 2320 B	Alkalinity as CaCO ₃	A	124		mg/L	1	10.0	10.0	BIB2115	02/18/2025 12:06	FPN
SM 5210 B	Carbonaceous BOD (CBOD)	A	<2.03 J4, U		mg/L	13514	2.03	2.03	BIB2118	02/23/2025 09:58	NAZ
EPA 300.0	Chloride	A	198		mg/L	20	0.690	20.0	BIB1997	02/19/2025 20:46	AGZ
SM 2510 B	Conductivity	A	1150		umhos/cm @ 25 °C	1	2.00	2.00	BIB2115	02/18/2025 12:06	FPN
EPA 300.0	Fluoride	N	0.178		mg/L	1	0.0704	0.100	BIB2616	02/21/2025 13:46	AGZ
EPA 1664A	n-Hexane Extractable Material (O&G)	A	48.2		mg/L	1	3.32	5.00	BIB2480	02/20/2025 08:36	IDC
EPA 300.0	Sulfate	A	42.7		mg/L	1	0.0341	1.00	BIB1997	02/19/2025 20:26	AGZ
EPA 160.1	Residue-filterable (TDS)	A	636		mg/L	1	10.0	10.0	BIB2167	02/20/2025 10:40	JRU
SM 4500-NH3 C	Total Kjeldahl Nitrogen - (TKN)	A	<1.00 U		mg/L	1	0.100	1.00	BIB2478	02/21/2025 11:51	ENR
SM 2540 D	Residue-nonfilterable (TSS)	A	2.12		mg/L	1	1.00	1.00	BIB2351	02/20/2025 13:18	BP

Microbiology

Enterolert/ASTM D6503-99	Enterococci	A	<1.00 U		MPN/100 mL	1	1.00	1.00	BIB2063	02/18/2025 13:34	JKB
SM 9223 B (Colilert Quanti-Tray)	Escherichia coli (E. coli)	A	<1.00 U		MPN/100 mL	1	1.00	1.00	BIB2062	02/18/2025 13:41	JKB

Field

SM 4500-H+ B	pH	A	7.68		pH Units @ 25 °C	1	1.00	1.00	BIB2107	02/17/2025 11:20	JMY
SM 4500-Cl G	Total Residual Chlorine	A	3.70		mg/L	1	0.25	0.25	BIB2107	02/17/2025 11:20	JMY

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Sample Results
(Continued)

Client Sample ID: Outfall 001

Sample Matrix: Waste Water

Lab Sample ID: 25C2208-01

Date Collected: 03/10/2025 9:00

HC MUD 465 - Non Potable - Special Effluent

[none]

Collected by: Jimmy Andara

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
--------	---------	---	----------	-------	----	-----	-----	-------	----------	---------

General Chemistry

EPA 350.1	Ammonia as N	A	0.0610	mg/L	1	0.0140	0.0400	BIC1230	03/11/2025 13:30	AMM
EPA 300.0	Nitrate - Nitrite as N		11.9	mg/L	2	0.0335	0.250	[CALC]	03/11/2025 15:15	AOJ
EPA 300.0	Nitrite as N	A	<0.0500 U	mg/L	1	0.00510	0.0500	BIC1116	03/10/2025 16:07	AOJ

Field

Hach 10360	DO Field	N	10.4	mg/L	1	1.00	1.00	BIC1215	03/10/2025 09:00	JMY
------------	----------	---	------	------	---	------	------	---------	------------------	-----

* A = Accredited, N = Not Accredited or Accreditation not available



130 S. Trade Center Parkway, Conroe TX 77385
Tel: (936) 321-6060
Email: lab@nwdls.com
www.NWDLS.com
TCEQ TX-C24-00185

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Sample Results
(Continued)

Client Sample ID: Outfall 001 Sample Matrix: Waste Water
Lab Sample ID: 25C2208-01RE1 Date Collected: 03/10/2025 9:00
HC MUD 465 - Non Potable - Special Effluent [none] Collected by: Jimmy Andara

Method	Analyte	*	Result Q	Units	DF	SDL	LRL	Batch	Analyzed	Analyst
--------	---------	---	----------	-------	----	-----	-----	-------	----------	---------

General Chemistry

EPA 300.0	Nitrate as N (Rerun)	A	11.9	mg/L	2	0.0284	0.200	BIC1245	03/11/2025 15:15	AOJ
-----------	----------------------	---	------	------	---	--------	-------	---------	------------------	-----

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control

Metals, Total

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2112 - EPA 200.7										
Blank (BIB2112-BLK1)										
Total Phosphorus	<1.00	U	1.00	mg/L	Prepared: 2/18/2025 Analyzed: 2/19/2025					
LCS (BIB2112-BS1)										
Total Phosphorus	50.3		1.00	mg/L	50.0		101	85-115		
Duplicate (BIB2112-DUP1)										
Total Phosphorus	0.445	U	1.00	mg/L		0.450			1.14	20
Duplicate (BIB2112-DUP2)										
Total Phosphorus	4.77		1.00	mg/L		4.70			1.43	20
Matrix Spike (BIB2112-MS1)										
Total Phosphorus	50.2		1.00	mg/L	50.0	0.450	99.6	70-130		
Matrix Spike (BIB2112-MS2)										
Total Phosphorus	52.7		1.00	mg/L	50.0	4.70	95.9	70-130		
Post Spike (BIB2112-PS1)										
Total Phosphorus	22000	J1		ug/L	50000	439	43.0	85-115		
Post Spike (BIB2112-PS2)										
Total Phosphorus	40500	J1		ug/L	50000	4580	71.7	85-115		
Dilution Check (BIB2112-SRL1)										
Total Phosphorus	<5.00	U	5.00	mg/L		<5.00			200	10
Dilution Check (BIB2112-SRL2)										
Total Phosphorus	4.48	U	5.00	mg/L		4.70			4.84	10

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control
(Continued)

Metals, Dissolved

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2898 - EPA 200.7 Dissolved										
Blank (BIB2898-BLK2)										
Aluminum	<0.0300	U	0.0300	mg/L	Prepared: 2/23/2025 Analyzed: 2/26/2025					
LCS (BIB2898-BS2)										
Aluminum	1.57		0.0300	mg/L	1.50		105	85-115		
Duplicate (BIB2898-DUP2)										
Aluminum	0.0850		0.0300	mg/L		0.0832			2.18	20
Matrix Spike (BIB2898-MS2)										
Aluminum	1.67		0.0300	mg/L	1.50	0.0832	106	70-130		
Post Spike (BIB2898-PS2)										
Aluminum	1460			ug/L	1500	81.1	92.2	85-115		
Dilution Check (BIB2898-SRL2)										
Aluminum	0.111	U	0.150	mg/L		0.0832			28.4	10

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control
(Continued)

General Chemistry

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB1997 - EPA 300.0										
Duplicate (BIB1997-DUP1)		Source: 25B3272-02			Prepared & Analyzed: 2/19/2025					
Sulfate	64.1		1.00	mg/L		64.1			0.0250	15
Chloride	254		20.0	mg/L		255			0.322	15
Duplicate (BIB1997-DUP2)		Source: 25B3066-01			Prepared & Analyzed: 2/19/2025					
Sulfate	42.6		1.00	mg/L		42.7			0.141	15
Chloride	196		20.0	mg/L		198			0.832	15
MRL Check (BIB1997-MRL1)					Prepared & Analyzed: 2/19/2025					
Sulfate	1.14		1.00	mg/L	1.00		114	50-150		
Chloride	1.07		1.00	mg/L	1.00		107	50-150		
Matrix Spike (BIB1997-MS1)		Source: 25B3272-02			Prepared & Analyzed: 2/19/2025					
Chloride	266		22.2	mg/L	11.1	255	95.1	80-120		
Sulfate	87.8		1.11	mg/L	22.2	64.1	106	80-120		
Matrix Spike (BIB1997-MS2)		Source: 25B3066-01			Prepared & Analyzed: 2/19/2025					
Chloride	210		22.2	mg/L	11.1	198	104	80-120		
Sulfate	65.6		1.11	mg/L	22.2	42.7	103	80-120		
Batch: BIB2115 - Alkalinity										
Blank (BIB2115-BLK1)					Prepared & Analyzed: 2/18/2025					
Conductivity	<2.00	U	2.00	umhos/cm @ 25 °C						
Alkalinity as CaCO ₃	<10.0	U	10.0	mg/L						
LCS (BIB2115-BS1)					Prepared & Analyzed: 2/18/2025					
Conductivity	1400			umhos/cm @ 25 °C	1410		99.5	90-110		

* A = Accredited, N = Not Accredited or Accreditation not available

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2115 - Alkalinity (Continued)										
QCS (BIB2115-BS2)										
Conductivity	502			umhos/cm @ 25 °C	500		100	90-110		
LCS (BIB2115-BS4)										
Alkalinity as CaCO ₃	99.3			mg/L	100		99.3	90-110		
Duplicate (BIB2115-DUP1)										
			Source: 25B1110-01		Prepared & Analyzed: 2/18/2025					
Alkalinity as CaCO ₃	125		10.0	mg/L		123			2.34	15
Conductivity	49100		2.00	umhos/cm @ 25 °C		48300			1.64	15
Duplicate (BIB2115-DUP2)										
			Source: 25B0886-01		Prepared & Analyzed: 2/18/2025					
Conductivity	935		2.00	umhos/cm @ 25 °C		919			1.73	15
Alkalinity as CaCO ₃	58.3		10.0	mg/L		55.1			5.62	15
Batch: BIB2118 - CBOD-5210										
LCS (BIB2118-BS1)										
Carbonaceous BOD (CBOD)	173			mg/L	198		87.5	85-115		
Duplicate (BIB2118-DUP1)										
			Source: 25B3076-02		Prepared: 2/18/2025 Analyzed: 2/23/2025					
Carbonaceous BOD (CBOD)	3.18		2.40	mg/L		2.60			20.1	40
Duplicate (BIB2118-DUP2)										
			Source: 25B3287-02		Prepared: 2/18/2025 Analyzed: 2/23/2025					
Carbonaceous BOD (CBOD)	<2.40	U	2.40	mg/L		3.03			200	40
Duplicate (BIB2118-DUP3)										
			Source: 25B3282-02		Prepared: 2/18/2025 Analyzed: 2/23/2025					
Carbonaceous BOD (CBOD)	4.28		2.40	mg/L		4.35			1.46	40

* A = Accredited, N = Not Accredited or Accreditation not available

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2118 - CBOD-5210 (Continued)										
Duplicate (BIB2118-DUP4)			Source: 25B3286-02		Prepared: 2/18/2025 Analyzed: 2/23/2025					
Carbonaceous BOD (CBOD)	4.12		2.40	mg/L		4.12			0.0486	40
Batch: BIB2167 - TDS										
Blank (BIB2167-BLK1)					Prepared: 2/18/2025 Analyzed: 2/20/2025					
Residue-filterable (TDS)	<10.0	U	10.0	mg/L						
LCS (BIB2167-BS1)					Prepared: 2/18/2025 Analyzed: 2/20/2025					
Residue-filterable (TDS)	147		10.0	mg/L	150		98.0	90-110		
Duplicate (BIB2167-DUP1)			Source: 25B3075-02		Prepared: 2/18/2025 Analyzed: 2/20/2025					
Residue-filterable (TDS)	510		10.0	mg/L		520			1.94	10
Batch: BIB2351 - TSS										
Blank (BIB2351-BLK1)					Prepared: 2/19/2025 Analyzed: 2/20/2025					
Residue-nonfilterable (TSS)	<1.00	U	1.00	mg/L						
LCS (BIB2351-BS1)					Prepared: 2/19/2025 Analyzed: 2/20/2025					
Residue-nonfilterable (TSS)	98.7		1.00	mg/L	100		98.7	85-115		
Duplicate (BIB2351-DUP1)			Source: 25B0266-01		Prepared: 2/19/2025 Analyzed: 2/20/2025					
Residue-nonfilterable (TSS)	3.58	J1	1.00	mg/L		4.00			11.1	10
Duplicate (BIB2351-DUP2)			Source: 25B3214-02		Prepared: 2/19/2025 Analyzed: 2/20/2025					
Residue-nonfilterable (TSS)	2.11	J1	1.00	mg/L		1.89			10.5	10

* A = Accredited, N = Not Accredited or Accreditation not available

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2478 - TKN T										
Blank (BIB2478-BLK1)										
Total Kjeldahl Nitrogen - (TKN)	<1.00	U	1.00	mg/L	Prepared: 2/20/2025 Analyzed: 2/21/2025					
LCS (BIB2478-BS1)										
Total Kjeldahl Nitrogen - (TKN)	2.35		1.00	mg/L	2.60		90.5	85-115		
Duplicate (BIB2478-DUP1)										
			Source: 25A0751-03		Prepared: 2/20/2025 Analyzed: 2/21/2025					
Total Kjeldahl Nitrogen - (TKN)	0.896	J1, U	1.00	mg/L		1.46			47.6	20
Matrix Spike (BIB2478-MS1)										
			Source: 25A0751-03		Prepared: 2/20/2025 Analyzed: 2/21/2025					
Total Kjeldahl Nitrogen - (TKN)	4.26	J1	1.00	mg/L	4.00	1.46	70.0	85-115		
Batch: BIB2480 - EPA 1664										
Blank (BIB2480-BLK1)										
n-Hexane Extractable Material (O&G)	<5.00	U	5.00	mg/L	Prepared & Analyzed: 2/20/2025					
LCS (BIB2480-BS1)										
n-Hexane Extractable Material (O&G)	45.1		5.00	mg/L	40.0		113	77.5-114.5		
LCS Dup (BIB2480-BSD1)										
n-Hexane Extractable Material (O&G)	40.6		5.00	mg/L	40.0		102	77.5-114.5	10.3	20
Matrix Spike (BIB2480-MS1)										
			Source: 25B3310-07		Prepared & Analyzed: 2/20/2025					
n-Hexane Extractable Material (O&G)	62.0		5.00	mg/L	40.0	22.4	99.2	77.5-114.5		
Batch: BIB2616 - EPA 300.0										
Duplicate (BIB2616-DUP1)										
			Source: 25B3066-01		Prepared & Analyzed: 2/21/2025					
Fluoride	0.180		0.100	mg/L		0.178			1.12	15

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control
(Continued)

General Chemistry, Dissolved (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2616 - EPA 300.0 (Continued)										
MRL Check (BIB2616-MRL1)										
Fluoride	0.274		0.100	mg/L	0.250		110	0-200		
Matrix Spike (BIB2616-MS1)										
Source: 25B3066-01										
Fluoride	5.47		0.111	mg/L	5.56	0.178	95.2	80-120		
Batch: BIC1116 - EPA 300.0										
Duplicate (BIC1116-DUP1)										
Source: 25C2228-01										
Nitrite as N	<0.0500	U	0.0500	mg/L	<0.0500					15
Nitrate as N	0.354		0.100	mg/L	0.348				1.71	15
Duplicate (BIC1116-DUP2)										
Source: 25C2226-03										
Nitrate as N	<0.100	U	0.100	mg/L	<0.100					15
Nitrite as N	<0.0500	U	0.0500	mg/L	<0.0500					15
MRL Check (BIC1116-MRL1)										
Nitrate as N	0.110		0.100	mg/L	0.100		110	50-150		
Nitrite as N	0.0560		0.0500	mg/L	0.0500		112	50-150		
Matrix Spike (BIC1116-MS1)										
Source: 25C2228-01										
Nitrite as N	1.40	J1	0.0556	mg/L	1.11	<0.0556	126	80-120		
Nitrate as N	2.86		0.111	mg/L	2.22	0.348	113	80-120		
Matrix Spike (BIC1116-MS2)										
Source: 25C2226-03										
Nitrate as N	2.57		0.111	mg/L	2.22	<0.111	116	80-120		
Nitrite as N	1.27		0.0556	mg/L	1.11	<0.0556	114	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control (Continued)

General Chemistry (Continued)

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIC1230 - NH3-N SEAL-350.1										
Matrix Spike (BIC1230-MS1) Source: 25C1914-01 Prepared & Analyzed: 3/11/2025										
Ammonia as N	0.191		0.0401	mg/L	0.200	<0.0401	95.5	90-110		
Matrix Spike (BIC1230-MS2) Source: 25C2208-01 Prepared & Analyzed: 3/11/2025										
Ammonia as N	0.266		0.0401	mg/L	0.200	0.0610	102	90-110		
Matrix Spike Dup (BIC1230-MSD1) Source: 25C1914-01 Prepared & Analyzed: 3/11/2025										
Ammonia as N	0.194		0.0401	mg/L	0.200	<0.0401	97.0	90-110	1.56	20
Matrix Spike Dup (BIC1230-MSD2) Source: 25C2208-01 Prepared & Analyzed: 3/11/2025										
Ammonia as N	0.268		0.0401	mg/L	0.200	0.0610	103	90-110	0.752	20
Batch: BIC1245 - EPA 300.0										
Duplicate (BIC1245-DUP1) Source: 25C2093-02 Prepared & Analyzed: 3/11/2025										
Nitrate as N	0.278		0.100	mg/L		0.287			3.19	15
Duplicate (BIC1245-DUP2) Source: 25A0976-01 Prepared & Analyzed: 3/11/2025										
Nitrate as N	0.503		0.100	mg/L		0.502			0.199	15
MRL Check (BIC1245-MRL1) Prepared & Analyzed: 3/11/2025										
Nitrate as N	0.115		0.100	mg/L	0.100		115	50-150		
Matrix Spike (BIC1245-MS1) Source: 25C2093-02 Prepared & Analyzed: 3/11/2025										
Nitrate as N	3.04	J1	0.111	mg/L	2.22	0.287	124	80-120		
Matrix Spike (BIC1245-MS2) Source: 25A0976-01 Prepared & Analyzed: 3/11/2025										
Nitrate as N	3.14		0.111	mg/L	2.22	0.502	119	80-120		

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Quality Control
(Continued)

Microbiology

Analyte	Result	Qual	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch: BIB2062 - TC EC Quantitray										
Blank (BIB2062-BLK1)										
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL						
Prepared: 2/17/2025 Analyzed: 2/18/2025										
Duplicate (BIB2062-DUP1)										
Escherichia coli (E. coli)	<1.00	U	1.00	MPN/100 mL		<1.00				200
Source: 25B3075-01 Prepared: 2/17/2025 Analyzed: 2/18/2025										
Batch: BIB2063 - ENT Quantitray										
Blank (BIB2063-BLK1)										
Enterococci	<1.00	U	1.00	MPN/100 mL						
Prepared: 2/17/2025 Analyzed: 2/18/2025										
Duplicate (BIB2063-DUP1)										
Enterococci	<1.00	U	1.00	MPN/100 mL		<1.00				200
Source: 25B3066-01 Prepared: 2/17/2025 Analyzed: 2/18/2025										

* A = Accredited, N = Not Accredited or Accreditation not available



TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Sample Condition Checklist

Work Order: 25B3066

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

Work Order: 25C2208

Check Points

No	Custody Seals
Yes	Containers Intact
Yes	COC/Labels Agree
Yes	Received On Ice
Yes	Appropriate Containers
Yes	Appropriate Sample Volume
Yes	Coolers Intact
Yes	Samples Accepted

TNG Utility
P.O. Box 2749
Spring, TX 77383

Reported:
03/17/2025 08:08

Term and Qualifier Definitions

Item	Definition
J1	Estimated value - The reported value is outside the established quality control criteria for accuracy and/or precision.
J4	Estimated value and sample is less than value - No dilution produced a depletion of 2 mg/L of DO or greater, oxygen demand of sample was less than anticipated.
U	Non-detected compound.
RPD	Relative Percent Difference
%REC	Percent Recovery
Source	Sample that was matrix spiked or duplicated
*	A = Accredited, N = Not Accredited or Accreditation not available
DF	Dilution Factor - the factor applied to the reported data due to sample preparation, dilution, or moisture content
MDL	Method Detection Limit - The minimum concentration of a substance (or analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. Based on standard deviation of replicate spiked samples take through all steps of the analytical procedure following 40 CFR Part 136 Appendix B.
SDL	Sample Detection Limit - The minimum concentration of a substance (analyte) that can be measured and reported with 99% confidence that the analyte concentration is greater than zero. The SDL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MDL = SDL.
MRL	Method Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The MRL is at or above the lowest calibration standard.
LRL	Laboratory Reporting Limit - Analyte concentration that corresponds to the lowest level lab reports with confidence in accuracy of quantitation and without qualification (i.e. J-flagged). The LRL is an adjusted limit thus sample specific and accounts for preparation weights and volumes, dilutions, and moisture content of soil/sediments. If there are no sample specific parameters, the MRL = LRL.

* A = Accredited, N = Not Accredited or Accreditation not available



CHAIN OF CUSTODY RECORD

Northwestern Industrial Laboratory Services
150 N. Third Street, Suite 200, St. Paul, MN 55102
Phone: (612) 338-1111 Fax: (612) 338-1112



25B3066

Lab PM: Ameyla Rose		Project Name: HC HLD 405 - Non Potable - Special Effluent		Schedule Comments:	
TNG Utility Tarynn Fennell P.O. Box 2700 Spring, TX 77380 Phone: (281) 338-1111		Project Comments: Approx. 4000 ft of Lake Katy Pipeline Rd and Landscape Rd - N. of Loughborough Rd Approx. 4000 ft of Loughborough Rd Approx. 4000 ft of Loughborough Rd Approx. 4000 ft of Loughborough Rd			
Sample ID	Reference Point	Sample Type	Container	Analysis/Preservation	Field Results
25B3066-01		Water Sampled Date/Time: 2/17/25 11:20	A HDPE 250mL B HDPE 250mL C HDPE 1L D HDPE 250mL E HDPE 250mL F HDPE S250mL G HDPE S250mL H HDPE 250 after filtration I Glass Wide 1L w/ J Non-lined Lid HCl pH K Field Container L HDPE 250mL M HDPE S250mL N HDPE S250mL O HDPE 250mL P HDPE 250mL Q HDPE 250mL R HDPE 250mL S HDPE 250mL T HDPE 250mL U HDPE 250mL V HDPE 250mL W HDPE 250mL X HDPE 250mL Y HDPE 250mL Z HDPE 250mL	Aluminum D ICP 200.7 HNO3 Total Phosphorus ICP 20 HNO3 ENT-ASTMD6503 TC EC-9223 O&G-1664 Alkalinity-2320 CBOD-5210 Chloride IC 300.0 Conductivity-2510 Fluoride D IC 300.0 Sulfate IC 300.0 TDS-160.1 TKN - 351.2 TSS-2540 HNO3	pH Field Total Cl Field 7.68 3.7
Field Remarks:					
Sampler (Signature)	Relinquished By: (Signature)	Lab Preservation: H2SO4 HNO3			
Print Name	Relinquished By: (Signature)	Write ID Below			
Affiliation	Relinquished To Lab By: (Signature)	Date/Time	Date/Time	Received By: (Signature)	Received By: (Signature)
Custody Seal: Yes / No	COC Labels Agree: Yes / No	Date/Time	Date/Time	Received for Laboratory By: (Signature)	Received for Laboratory By: (Signature)
Container Intact: Yes / No	Appropriate Containers: Yes / No	Date/Time	Date/Time	Received on Ice: Yes / No	Received on Ice: Yes / No
Appropriate Volume: Yes / No		Coolers Intact: Yes / No		Samples Accepted: Yes / No	
Katy North					



CHAIN OF CUSTODY REPORT

North Water District Laboratory
130 S. Trade Center Pkwy, Commerce, TX 75420
(936) 321-6060 - lab@nwdl.com

TCEQ TX-C24-00185

Lab PM : Aundra Noe		Project Name : HC MUD 465 - Non Potable - Spec	
TNG Utility Tarynn Fossati P.O. Box 2749 Spring, TX 77383 Phone: (281) 350-0895		Project Comments: Approx. 5050 ft W of Intx Katy Hockley Rd Longenbaugh Rd - S. of Longenbaugh Rd Juan Cerrate 346-573-0872 CALL /TEXT WHEN AT SITE Code 1537	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container
25B3066-01	Outfall 001		2/17/2025 / 11:20	AQ Grab	A HDPE 250mL B HDPE 250mL C HDPE 250mL D HDPE 250mL E HDPE 250mL F HDPE 250mL G HDPE 250mL H Glass 250mL I Field Container J HDPE 250mL K HDPE 250mL L HDPE 250mL M Glass 250mL N HDPE 250mL O HDPE 1L

Field Remarks:		Lab Preservation: H2SO4	HNO3	NaOH	Other:
Sampler (Signature) <i>[Signature]</i>		Received By: (Signature)			
Print Name <i>Tarynn Fossati</i>		Received By: (Signature)			
Affiliation <i>NWDLs</i>		Received for Laboratory By: (Signature)			
Custody Seal: Yes / No		Appropriate Volume: Yes / No		Received on Ice: Yes / No	
Container Intact: Yes / No		Coolers Intact: Yes / No		Samples Accepted: Yes / No	
Katy North		Date/Time 2-17-25 / 13:10		Date/Time 02-17-25	
				Temperature: °C	



CHAIN OF CUSTODY

North Water District Laboratory Services, Inc.
130 S. Trade Center Pkwy, Commerce, TX 75426
(936) 321-6060 - lab@nwdl.com

TCEQ TX-C24-00185



Printed

25C2208

Lab PM : Aundra Noe		Project Name : HC MUD 465 - Non Potable - Special	
TNG Utility Tarynn Fossati P.O. Box 2749 Spring, TX 77383 Phone: (281) 350-0895		Project Comments: Approx. 5050 ft W of Intx Katy Hockley Rd Longenbaugh Rd - S. of Longenbaugh Rd Juan Cerrate 346-573-0872 CALL / TEXT WHEN AT SITE Code 1537	

Sample ID	Collection Point	Date/Time Begin	Date/Time Sampled	Sample Type	Container	Analysis	Field Results
25C2208-01	Outfall 001		3/10/2025/09:00	AQ Grab	A HD 2000 B HD 2000	Analysis - 100% Analysis - 100% Analysis - 100%	100%

Field Remarks:		Lab Preservation: H2SO4	HNO3	NaOH	Other:
Sampler (Signature) <i>[Signature]</i>		Received By: (Signature)			
Print Name <i>Jimmy Andara</i>		Received By: (Signature)			
Affiliation <i>NWDLs</i>		Received for Laboratory By: (Signature)			
Custody Seal: Yes / No		Received on Ice: Yes / No		Temperature: °C	
Container Intact: Yes / No		Samples Accepted: Yes / No		Thermometer ID:	

Katy North

WINWARD COMMUNITY ASSOCIATION
6630 CYPRESSWOODS DR STE 100
SPRING TX 77379

FAB INTEGRATION STRATEGIES LLC
7742 SHOSHONE ST
DENVER CO 80221

VIVIAN DUNN
26906 LANTANA CANYON DR
KATY TX 77493

ATILANO JR & SYLVIA BARRIENTES
26910 LANTANA CANYON DR
KATY TX 77493

BOU C JR & VIDAL MARIA Z BOEUN
26914 LANTANA CANYON DR
KATY TX 77493

YU PROPERTY DEVELOPMENT LLC
801 FM 1463 RD STE 200
KATY TX 77494

YU PROPERTY DEVELOPMENT LLC
801 FM 1463 RD STE 200
KATY TX 77494

TAMARA FITZHUGH
DBA FRIENDSWOOD DEV CO
PO BOX 1905
CYPRESS TX 77410

TONIA M & THERON N SR
JEANJACQUES
7859 SWITCHGRASS CREEK DR
KATY TX 77493

MAYGAN WASHINGTON
7855 SWITCHGRASS CREEK DR
KATY TX 77493

JOAQUIN ARMENTA JR & STACEY
DENISE ARMENTA
7851 SWITCHGRASS CREEK DR
KATY TX 77493

CHADARIA LANE
7847 SWITCHGRASS CREEK DR
KATY TX 77493

VIVIAN PHAM
7843 SWITCHGRASS CREEK DR
KATY TX 77493

IRSLAN & SABIQA I SIDDIQ
7839 SWITCHGRASS CREEK DR
KATY TX 77493

CASTRO FELIX L & FELIX RUTH M
7835 SWITCHGRASS CREEK DR
KATY TX 77493

OJEDA LUIS ERNESTO & MENJIVAR
ELIZABETH BALDERAS
7831 SWITCHGRASS CREEK DR
KATY TX 77493

JARRED W & GAMEZ CLAUDIA Y
MOORE
7827 SWITCHGRASS CREEK DR
KATY TX 77493

DHADUK INC
4015 TUSCAN SHORE DR
MISSOURI CITY TX 77459

GENEVIEVE GARCIA
7819 SWITCHGRASS CREEK DR
KATY TX 77493

BAY STREET HOMES LLC
300 MONTGOMERY ST STE 350
SAN FRANCISCO CA 94104

PADILLA VIRGINIA Y & PAVON ANUAR
O & PAVON JOSE R
7811 SWITCHGRASS CREEK DR
KATY TX 77493

CHARLES C LESLEY JR
7807 SWITCHGRASS CREEK DR
KATY TX 77493

BROWND OG CAPITAL LLC
7330 KINGLET CT
KATY TX 77493

CORI RODRIGUEZ
7801 SWITCHGRASS CREEK DR
KATY TX 77493

JESSICA A CLYMER & ANTONY B
HAMES
27010 WINWARD CREEK TRL
KATY TX 77493

LENNAR HOMES OF TEXAS LAND AND
CONSTRUCTION LTD
DBA FRIENDSWOOD DEV CO
681 GREENS PKWY STE 220
HOUSTON TX 77067

KAMIL K & KHALIQUE AMNA A
AHMED
2311 WICKLOWE ST
SUGAR LAND TX 77479

ADENIYI B ADE-ONOJOBI
25626 LUNA VISTA LN
KATY TX 77494

TPA STRATEGIC SOLUTIONS LLC
89-57 207TH STREET
QUEENS VILLAGE NY 11427

OYINS K TAWARI
DBA FRIENDSWOOD DEV CO
27030 WINWARD CREEK TRL
KATY TX 77493

MICHELLE L ELLETSON
27034 WINWARD CREEK TRL
KATY TX 77493

MADISON V STEWART
DBA FRIENDSWOOD DEV CO
7727 CEDAR BIRCH DR
KATY TX 77493

COUNTY OF HARRIS
PO BOX 1525
HOUSTON TX 77251

HARRIS COUNTY MUD NO 465
DBA FRIENDSWOOD DEVELOPMENT
CO
13333 NORTHWEST FWY STE 620
HOUSTON TX 77040

HARRIS COUNTY MUD NO 465
13333 NORTHWEST FWY STE 620
HOUSTON TX 77040

LENNAR HOMES OF TEXAS LAND &
CONSTRUCTION
% HEARTHSTONE INC
681 GREENS PKWY STE 220
HOUSTON TX 77067-4544

Leah Whallon

From: Danny Parks <danny@waterengineers.com>
Sent: Monday, June 9, 2025 3:54 PM
To: Leah Whallon
Subject: Application to Amend Permit No. WQ0015772001; Harris County Municipal Utility District No. 465
Attachments: wq0015772001-nod1.pdf; Municipal Discharge Amendment Spanish NORI - HCMUD 465.docx

Follow Up Flag: Follow up
Flag Status: Flagged

Hello Ms. Wallon!

1. NORI description looks great! I have no comments. Please proceed!
2. Please also see the attached Spanish translation of the subject NORI!

Thank you!

Regards,

Danny Parks, P.E.
WaterEngineers, Inc. | TBPE Firm No. 2066
17230 Huffmeister Rd., Suite A | Cypress, Texas 77429
Office: 281-373-0500
www.waterengineers.com

The contents of this e-mail and any attachment(s) are confidential, and the property of WaterEngineers, Inc.

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Friday, June 6, 2025 1:21 PM
To: Danny Parks <danny@waterengineers.com>
Subject: Application to Amend Permit No. WQ0015772001; Harris County Municipal Utility District No. 465

Good Afternoon,

Please see the attached Notice of Deficiency letter dated June 6, 2025 requesting additional information needed to declare the application administratively complete. Please send the complete response by June 20, 2025.

Please let me know if you have any questions.

Thank you,



Leah Whallon

Texas Commission on Environmental Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

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

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ00

SOLICITUD. *Harris County Municipal Utility District No. 465, 9 Greenway Plaza, Suite 1000, Houston, Texas 77046* ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0015772001 (EPA I.D. No. TX0139106) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar *un aumento en la descarga de aguas residuales tratadas a un volumen que no exceda los 490,000 galones por día*. La planta está ubicada *27045 1/2 Longenbaugh Road* en el Condado de *Harris, Texas 77493*. La ruta de descarga es del sitio de la planta a *zanja de drenaje, de allí a estanques de detención, de allí a una zanja de drenaje, de allí a una zanja al costado del camino a lo largo de Farm-to-Market (FM) 529, de allí a South Mayde Creek, de allí a Buffalo Bayou Above Tidal*. La TCEQ recibió esta solicitud el *28 de mayo de 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *Biblioteca Pública del Condado de Harris - Sucursal Katy, 5414 Franz Road, Katy, Condado de Harris, Texas* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.840042,29.887951&level=18>

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary and is an application for a major amendment which will increase the pollutant loads to coastal waters or would result in relocation of an outfall to a critical areas, or a renewal with such a major amendment. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange. If the application is for amendment that does not meet the above description, do not include the sentence: El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.]

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

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

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director

Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

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

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

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

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

También se puede obtener información adicional del *Harris County Municipal Utility District No. 465* a la dirección indicada arriba o llamando a *Sr. Danny Parks, P.E., WaterEngineers, Inc.*, al *281-373-0500*.

Fecha de emisión: *[Date notice issued]*