



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.

HTX Utility Solutions LLC (CN: 606403608) and Pleak 54 Holdings LLC (CN: 606403590) proposes to operate the Pleak 54 Wastewater Treatment Plant (RN: 112213061), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, in Richmond, Fort Bend County, Texas 77469. This application is for a new permit to discharge at a daily average flow of 300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. 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 will be treated by a conventional activated sludge with nitrification process plant and the treatment units will include a bar screen, selector basins, 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.

HTX Utility Solutions LLC (CN: 606403608) and Pleak 54 Holdings LLC (CN: 606403590) propone operar La planta de tratamiento de aguas residuales de Pleak 54 (RN: 112213061) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación está ubicada en aproximadamente 1,350 pies al noroeste de la intersección de Pleak Road y Kari Lane, en Richmond, Condado de Fort Bend, Texas 77469. Esta solicitud es para un nuevo permiso para descargar un caudal promedio diario de 300,000 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. estará tratado por Una planta de proceso convencional de lodos activados con nitrificación y las unidades de tratamiento incluirán una rejilla de barras, tanques selectores, 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

PROPOSED PERMIT NO. WQ0016841001

APPLICATION. HTX Utility Solutions LLC, 3733 Westheimer Road, Suite 2061, Houston, Texas 77027 and Pleak 54 Holdings LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, have applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016841001 (EPA I.D. No. TX0148105) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 300,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1,350 feet northwest of the intersection of Kari Lane and Pleak Road, near the Village of Pleak, in Fort Bend County, Texas 77469. The discharge route will be from the plant site via pipe, thence to a man-made ditch, thence to a storm sewer, thence to a detention pond, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to Brazos River Below Navasota River. TCEQ received this application on July 3, 2025. The permit application will be available for viewing and copying at Fort Bend County Libraries - George Memorial Library, 1001 Golfview Drive, Richmond, in Fort Bend County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.798333,29.481111&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 HTX Utility Solutions LLC and Pleak 54 Holdings LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: July 25, 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

PERMISO PROPUESTO NO. WQ0016481001

SOLICITUD. HTX Utility Solutions LLC, 3733 Westheimer Road, Suite 2061, Houston, Texas 77027, y Pleak 54 Holdings LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, han solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016841001 (EPA I.D. No. TX0148105) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 300,000 galones por día. La planta estará ubicada aproximadamente 1,350 pies al noroeste de la intersección de Kari Lane y Pleak Road, cerca de Village of Pleak en el Condado de Fort Bend, Texas 77469. La ruta de descarga estará del sitio de la planta a través de una tubería, de allí a una zanja artificial, de allí a un alcantarillado pluvial, de allí a un estanque de retención, de allí a un afluente sin nombre de Big Creek, de allí a Big Creek, de allí al río Brazos debajo del río Navasota. La TCEQ recibió esta solicitud el 3 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Bibliotecas del Condado de Fort Bend - Biblioteca George Memorial, 1001 Golfview Drive, Richmond, Condado de Fort Bend, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

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

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.798333,29.481111&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 HTX Utility Solutions LLC y Pleak 54 Holdings LLC a la dirección indicada arriba o llamando a Sr. Danny Parks, P.E., WaterEngineers, Inc., al 281-373-0500.

Fecha de emisión: 25 de julio de 2025

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

Overnight by UPS

July 2, 2025

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

Re: HTX Utility Solutions LLC
Application for a New TPDES Permit
Pleak 54 Wastewater Treatment Plant

Dear Sir/Ms:

Enclosed please find the original and two copies of the Application for a New Texas Pollution Discharge Elimination System Permit for the Pleak 54 Wastewater Treatment Plant in Fort Bend County, TX.

Please note that according to the TCEQ Withdrawal Acknowledgement Letter Enclosed in Attachment ADMIN.02, payment fees previously submitted will be applied to this permit.

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 NEW
TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

PLEAK 54
WASTEWATER TREATMENT PLANT

HTX Utility Solutions LLC
3733 Westheimer Road, Suite 2061
Houston, TX 77027

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

July 2025

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE
ELIMINATION SYSTEM PERMIT

FOR

HTX UTILITY SOLUTIONS LLC

PLEAK 54

WASTEWATER TREATMENT PLANT

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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
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Attachment TECH.06 Estimated Development Schedule	Technical Report Page 19	1A



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: HTX Utility Solutions LLC

PERMIT NUMBER (If new, leave blank): WQ00Proposed

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

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

For TCEQ Use Only

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

Table with 3 columns: Flow, New/Major Amendment, and Renewal. Rows include flow ranges from <0.05 MGD to ≥1.0 MGD with corresponding fees and checkboxes.

Minor Amendment (for any flow) \$150.00 []

Payment Information:

Mailed Check/Money Order Number: 1575 (See withdrawal letter (ADMIN.02))
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 [x]
Conventional Water Treatment []
b. Check the box next to the appropriate facility status.
Active [] Inactive [x]
c. Check the box next to the appropriate permit type.
TPDES Permit [x]
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: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 [Click to enter text.](#)

EPA I.D. (TPDES only): TX [Click to enter text.](#)

Expiration Date: [Click to enter text.](#)

Section 3. Facility Owner (Applicant) and Co-Applciant 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?

HTX Utility Solutions LLC

(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: New

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: Vembutty, Sudharshan

Title: Managing Member

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?

Pleak 54 Holdings LLC

(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: New

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: Vembutty, Sudharshan

Title: Managing Member

Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Pleak 54 Holdings LLC is currently the landowner, however, the land where the WWTP sits will be deeded to HTX Utility Solutions prior to construction of the WWTP.

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: Vembutty, Sudharshan
Title: Managing Member Credential: Click to enter text.
Organization Name: HTX Utility Solutions LLC
Mailing Address: 3733 Westheimer Road, Suite 2061 City, State, Zip Code: Houston, TX 77027
Phone No.: 281-221-2699 E-mail Address: shaun@ashtongraydev.com
- B. Prefix: Mr. Last Name, First Name: Janik, Mark
Title: Vice President Credential: Click to enter text.
Organization Name: HTX Utility Solutions LLC
Mailing Address: 3733 Westheimer Road, Suite 2061 City, State, Zip Code: Houston, TX 77027
Phone No.: 713-875-0009 E-mail Address: mark@ashtongraydev.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Kotadia, Mustak
Title: Accounting Manager Credential: Click to enter text.
Organization Name: HTX Utility Solutions LLC
Mailing Address: 3733 Westheimer Road, Suite 2061 City, State, Zip Code: Harris, TX 77027
Phone No.: 713-909-5726 E-mail Address: accounting@ashtongraydev.com

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

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

Prefix: Mr. Last Name, First Name: Vembutty, Sudharshan
Title: Managing Member Credential: Click to enter text.
Organization Name: HTX Utility Solutions LLC
Mailing Address: 3733 Westheimer Road, Suite 2061 City, State, Zip Code: Houston, TX 77027
Phone No.: 281-221-2699 E-mail Address: shaun@ashtongraydev.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Parks, Danny
Title: Project Engineer Credential: P.E.
Organization Name: WaterEngineers, Inc.
Mailing Address: 17320 Huffmeister Rd., Suite A City, State, Zip Code: Cypress, TX 77429
Phone No.: 281-373-0500 E-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: 17320 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: Fort Bend County Library – George Memorial

Location within the building: Reference Desk

Physical Address of Building: 1001 Golfview Drive

City: Richmond, TX 77469

County: Fort Bend

Contact (Last Name, First Name): Click to enter text.

Phone No.: 281-342-4455 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 New

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):

Pleak 54 Wastewater Treatment Plant

- C. Owner of treatment facility: HTX Utility Solutions LLC

Ownership of Facility: Public Private Both Federal

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

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: Pleak 54 Holdings LLC

Mailing Address: 101 Parklane Boulevard, Suite 102 City, State, Zip Code: Sugar Land, TX 77478

Phone No.: 713-875-0009 E-mail Address: mark@ashtongraydev.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:

The WWTP will be located approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469 in Fort Bend County.

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, through an effluent pipeline, thence to a man-made drainage ditch, thence to a storm sewer, thence to a wet bottom detention pond, thence to a dry bottom detention pond, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to the Brazos River below Navasota River in Segment No. 1202 of the Brazos River Basin.

City nearest the outfall(s): Richmond

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

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 and TCEQ Withdrawal Letter) & (ADMIN.03 - Core Data Forms) & (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: New

Applicant: HTX Utility Solutions LLC

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.

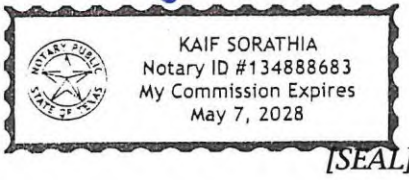
Signatory name (typed or printed): Sudharshan Vembutty

Signatory title: Managing Member

Signature:  Date: 06/16/2025
(Use blue ink)

Subscribed and Sworn to before me by the said Sudharshan Vembutty
on this 16 day of June, 2025.
My commission expires on the 7 day of May, 2025.


Notary Public




County, Texas

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: New

Applicant: Pleak 54 Holdings LLC

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.

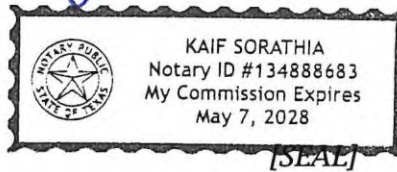
Signatory name (typed or printed): Sudharshan Vembutty

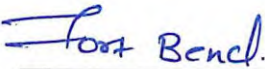
Signatory title: Managing Member

Signature:  Date: 06/16/2025
(Use blue ink)

Subscribed and Sworn to before me by the said Sudharshan Vembutty
on this 16 day of June, 2025.
My commission expires on the 7 day of May, 2028.


Notary Public




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: **Fort Bend County Appraisal District**
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- Yes No

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

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): 0.150

2-Hr Peak Flow (MGD): 0.600

Estimated construction start date: Q3/2026

Estimated waste disposal start date: Q1/2027

B. Interim II Phase

Design Flow (MGD): Click to enter text.

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

Estimated construction start date: Click to enter text.

Estimated waste disposal start date: Click to enter text.

C. Final Phase

Design Flow (MGD): 0.300

2-Hr Peak Flow (MGD): 1.200

Estimated construction start date: Q4/2029

Estimated waste disposal start date: Q2/2030

D. Current Operating Phase

Provide the startup date of the facility: Click to enter text.

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.**

PHASE I: Flow enters the conventional activated sludge process with nitrification plant through lift station pumps, thence through a bar screen, into a selector basin, thence to aeration basins, thence to the clarifier, thence to the chlorine contact chamber for disinfection and discharge. Sludge from the bottom of the clarifier will either be airlifted back to the selector basin or wasted to the aerobic digester. FINAL PHASE: The final phase will include the addition of a splitter box, and a duplicate of the Phase I WWTP.

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)
	Phase I / Final Phase	
Selector Basin	1 / 2	136 sq. ft. x 10.5-ft H
Aeration Basin	1 / 2	1,038 sq. ft. x 10.5-ft H
Clarifier	1 / 2	28-ft Diam. x 10.25-ft
Chlorine Contact Basin	1 / 2	142 sq. ft. x 9.00-ft H
Aerobic Digester	1 / 2	640 sq. ft. x 10.5-ft H

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: 29.479333
- Longitude: -95.799139

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.

The Pleak 54 Wastewater Treatment Plant will serve a proposed 600 home residential subdivision with plans to expand in the future.

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
Proposed MUD Collection System	Proposed MUD	Publicly Owned	Phase I: 1,800 / Final: 2,880
		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.**

Click to enter text.

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: [Click to enter text.](#)

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

Summary Transmittal Letter to be submitted and approved prior to construction of the WWTP.

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*.

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

Yes No

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

2. Grit and grease processing

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

Click to enter text.

3. Grit disposal

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

Yes No

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

Describe the method of grit disposal.

Click to enter text.

4. Grease and decanted liquid disposal

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

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

Click to enter text.

E. Stormwater management

1. Applicability

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

Yes No

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

Yes No

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

2. MSGP coverage

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

Yes No

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

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

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

Yes No

3. Conditional exclusion

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

Yes No

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

Click to enter text.

4. Existing coverage in individual permit

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

Yes No

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

Click to enter text.

5. Zero stormwater discharge

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

Yes No

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

Click to enter text.

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

6. Request for coverage in individual permit

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

Yes No

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

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

[Click to enter text.](#)

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

Yes No

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

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

Yes No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the 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					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

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

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: Not yet determinedFacility Operator's License Classification and Level: Will be TCEQ certified C or higherFacility Operator's License Number: Click to enter text.

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 (\geq 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: Wastewater Residuals Management
 TCEQ permit or registration number: WQ0003987000
 County where disposal site is located: Harris

E. Transportation method

Method of transportation (truck, train, pipe, other): Truck
 Name of the hauler: Wastewater Transport Services
 Hauler registration number: 24343
 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 | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| Marketing and Distribution of Biosolids | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| Sludge Surface Disposal or Sludge Monofill | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |
| Temporary storage in sludge lagoons | <input type="checkbox"/> | Yes | <input checked="" type="checkbox"/> | No |

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

- Yes No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

- Yes No

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

A. Location information

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

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

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

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

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

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

Click to enter text.

B. Temporary storage information

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Provide the following information:

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

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

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

C. Liner information

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

Yes No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

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

E. Groundwater monitoring

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

Yes No

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

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

Section 12. Authorizations/Compliance/Enforcement (Instructions)

A. Additional authorizations

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

- Yes No

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

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

- Yes No

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

- Yes No

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

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: N/A – New Permit

Title: Click to enter text.

Signature: _____

Date: _____

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 Pleak 54 Wastewater Treatment Plant is necessary to provide wastewater service for the proposed surrounding residential community. The complete buildout will consist of approximately 600 residential homes with additional residential homes coming in a future phase.

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

Average Influent Organic Strength or BOD₅ Concentration in mg/l: [Click to enter text.](#)

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [Click to enter text.](#)

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

[Click to enter text.](#)

B. Proposed organic loading

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

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision	0.150 / 0.300	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	0.150 / 0.300	
AVERAGE BOD ₅ from all sources		300 / 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: 3
- Total Phosphorus, mg/l: N/A
- Dissolved Oxygen, mg/l: 6
- Other: E. Coli: 126 mpn/100 ml

B. Interim II Phase Design Effluent Quality

- Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.
- Total Suspended Solids, mg/l: Click to enter text.

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

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

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

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

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 6

Other: E. Coli: 126 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 48157CO400M dated January 29, 2021.

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: From the WWTP, through an effluent pipeline, thence to a man-made drainage ditch, thence to a storm sewer, thence to a wet bottom detention pond, thence to a dry bottom detention pond, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to the Brazos River below Navasota River in Segment No. 1202 of the Brazos River Basin.

A. Receiving water type

Identify the appropriate description of the receiving waters.

- Stream
 Freshwater Swamp or Marsh
 Lake or Pond

Surface area, in acres: 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:
N/A

- 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: N/A

C. Downstream perennial confluences

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

Big Creek

D. Downstream characteristics

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

- Yes No

If yes, discuss how.

Treated effluent will from the WWTP, through an effluent pipeline, thence to a man-made drainage ditch, thence to a storm sewer, thence to a wet bottom detention pond, thence to a dry bottom detention pond, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to the Brazos River below Navasota River in Segment No. 1202 of the Brazos River Basin.

E. Normal dry weather characteristics

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

The man-made drainage ditch has not yet been constructed.

Date and time of observation: 4/7/2025 @ 9:45 AM

Was the water body influenced by stormwater runoff during observations?

- Yes No

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

A. Upstream influences

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

- Oil field activities
- Urban runoff
- Upstream discharges
- Agricultural runoff
- Septic tanks
- Other(s), specify: Click to enter text.

B. Waterbody uses

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

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

C. Waterbody aesthetics

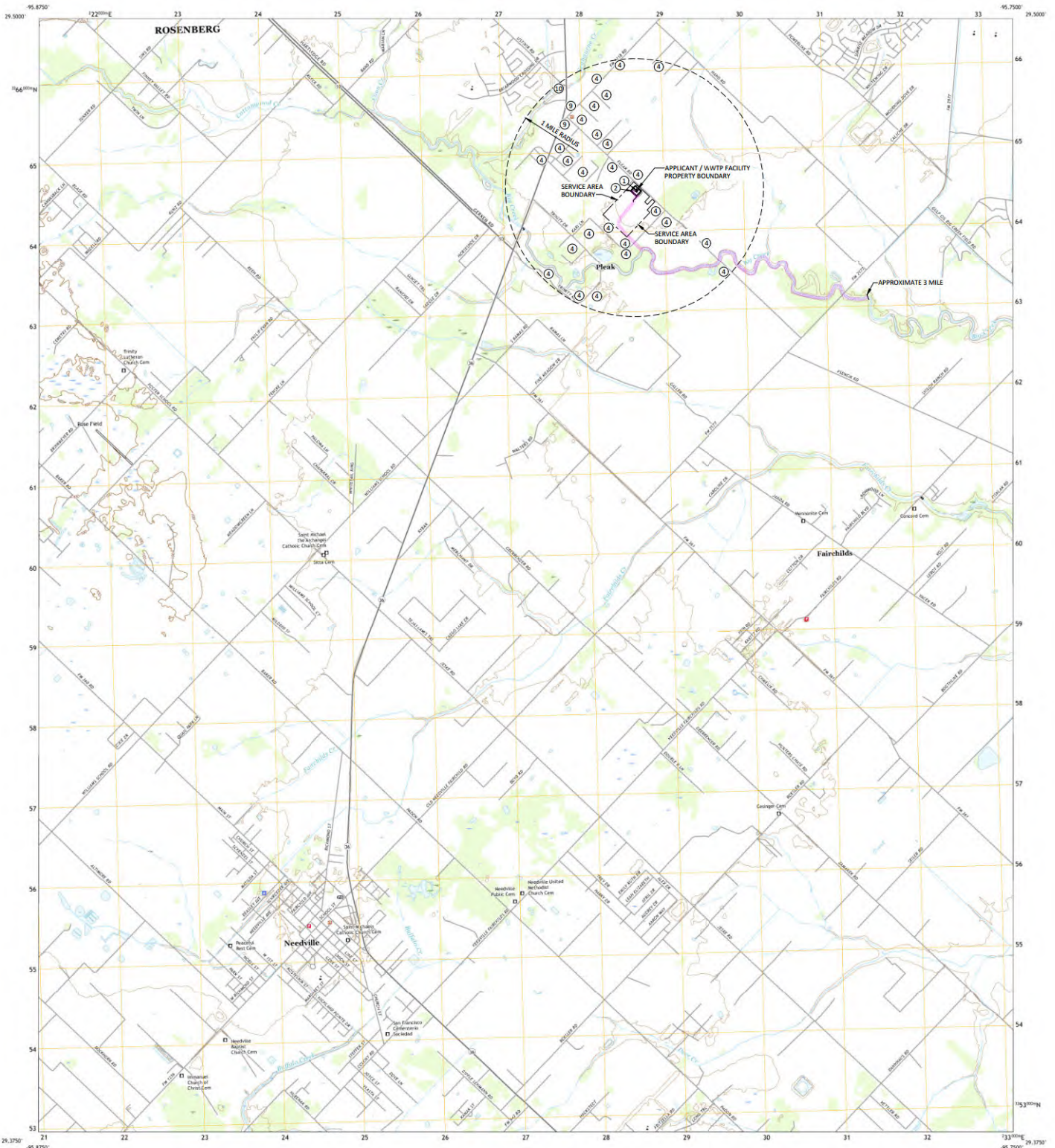
Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- 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

ATTACHMENT ADMIN.01

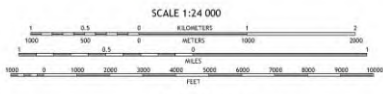
USGS Topographic Map

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



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
Vertical Datum: Geoid of 1988 (GEOID1988). Projection and
1:250,000 scale and Spherical Truncation Resolution, Zone 15B
This map is a digital elevation model. Boundaries may be
generalized for this map scale. Private lands within government
jurisdiction may not be shown. Obtain permission before
entering private lands.

UTM ZONE 18Q UTM MAGNETIC NORTH
ENCLOSURE AT CENTER OF SHEET
UTM Zone
TX
GSD Data (Optional)



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

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

1	1 Contour
2	2 Elevation
3	3 Spot Elevation
4	4 Depression
5	5 Sandstone Lake
6	6 Ditch
7	7 Canal
8	8 Dam

NEEDVILLE, TX 2022

LEGEND

- APPLICANT'S WASTEWATER TREATMENT PLANT
- POINT OF DISCHARGE
- COMMERCIAL DEVELOPMENT
- HOUSING DEVELOPMENT
- INDUSTRIAL USE
- PARK
- SCHOOLS
- RESIDENTIAL AREA
- PUBLIC WATER WELLS
- WASTING WWTWP (OWNED BY OTHERS)

SRF WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
PROVIDERS OF PROFESSIONAL ENGINEERING SERVICES AND
CONSULTANTS SINCE 1984

HYDRO UTILITY SOLUTIONS, LLC
PLEASE SEE WWTWP
APPLICATION FOR A NEW TSSS PERMIT

USGS TOPOGRAPHIC MAP

DATE: 04/2022	FIG. NO.:
APPROVED BY: [Signature]	SCALE: AS SHOWN
DRAWN BY: [Signature]	DATE: 04/2022
CHECKED BY: [Signature]	DATE: 04/2022

ADMIN.01

ATTACHMENT ADMIN.02

Proof of Payment

& TCEQ Withdrawal Letter

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

Brooke T. Paup, *Chairwoman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

May 27, 2025

Danny Parks, P.E.
Project Engineer
WaterEngineers, Inc.
17230 Huffmeister Road, Suite A
Cypress, Texas 77429

Re: Quadvest, L.P., Request to Withdraw New Application
Proposed Permit No. WQ0016814001 (RN112213061) (CN602944746)

Dear Mr. Parks:

We have received your request on May 23, 2025, to withdraw the permit application received on May 14, 2025. As of the date of this letter, we have removed the application from our record of pending applications.

The original application submittal will remain a record of the Texas Commission on Environmental Quality (TCEQ), and should you wish to pursue a permit, a new application and all the required documents will need to be re-submitted. If re-submitted within six months of the application being returned, the previously paid application processing fee will be applied to the re-submitted application. In addition, when re-submitting, to ensure that the application fee is not requested again, please complete and attach the payment submittal form containing the information from the check initially submitted.

If you should have any questions, please contact me at (512)239-2191 or at erwin.madrid@tceq.texas.gov.

Sincerely,

A handwritten signature in cursive script that reads "Erwin Madrid".

Erwin Madrid, Team Leader
Applications Review and Processing Team
Wastewater Permitting Section (MC 148)
Water Quality Division

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.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
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		RN 0

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
HTX Utility Solutions LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0806051738	32100470320		
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input checked="" type="checkbox"/> Other: Limited Liability Company	
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	3733 Westheimer Road Suite 2061		
City	Houston	State	TX
ZIP	77027	ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		mark@ashtongraydev.com	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(713) 875-0009		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name <i>(Enter name of the site where the regulated action is taking place.)</i>							
Pleak 54 Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County	Fort Bend						

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

25. Description to Physical Location:	approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469						
26. Nearest City	State			Nearest ZIP Code			
Richmond	TX			77469			
<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:		29.481107			28. Longitude (W) In Decimal:		-95.798429
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
29. Primary SIC Code	30. Secondary SIC Code		31. Primary NAICS Code		32. Secondary NAICS Code		
(4 digits)	(4 digits)		(5 or 6 digits)		(5 or 6 digits)		
4952			221320				
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>							
Wastewater Treatment Plant							
34. Mailing Address:	3733 Westheimer Road Suite 2061						
	City	Houston	State	TX	ZIP	77027	ZIP + 4
35. E-Mail Address:	mark@ashtongraydev.com						
36. Telephone Number	37. Extension or Code			38. Fax Number (if applicable)			
(713) 875-0009				() -			

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

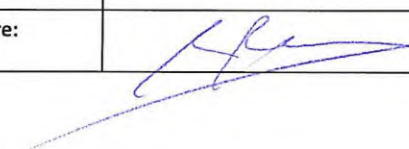
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review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

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:	HTX Utility Solutions LLC	Job Title:	Managing Member
Name (In Print):	Sudharshan Vembutty	Phone:	(713) 875- 0009
Signature:		Date:	6/20/25



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
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		RN 0

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership <input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
Pleak 54 Holdings LLC			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0804109138	32079675339		
11. Type of Customer:	<input type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		<input checked="" type="checkbox"/> Other: Limited Liability Company
12. Number of Employees		13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other: <input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:	101 Parklane Boulevard, Suite 102		
City	Sugar Land	State	TX ZIP 77478 ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		mark@ashtongraydev.com	

18. Telephone Number (713) 875-0009	19. Extension or Code	20. Fax Number (if applicable) () -
---	------------------------------	--

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.) <input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.) Pleak 54 Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>							
	City		State		ZIP		ZIP + 4
24. County	Fort Bend						

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

25. Description to Physical Location:	approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469							
26. Nearest City	Richmond				State	TX	Nearest ZIP Code	77469
<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:	29.481107			28. Longitude (W) In Decimal:	-95.798429			
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:	101 Parklane Boulevard, Suite 102							
	City	Sugar Land	State	TX	ZIP	77478	ZIP + 4	
35. E-Mail Address:	mark@ashtongraydev.com							
36. Telephone Number	37. Extension or Code			38. Fax Number (if applicable)				
(713) 875-0009				() -				

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


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

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:	Pleak 54 Holdings LLC	Job Title:	Managing Member
Name (In Print):	Sudharshan Vembutty	Phone:	(713) 875- 0009
Signature:		Date:	6/20/25

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.

HTX Utility Solutions LLC (CN: Proposed) proposes to operate the Pleak 54 Wastewater Treatment Plant (RN: Proposed), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, in Richmond, Fort Bend County, Texas 77469. This application is for a new permit to discharge at a daily average flow of 300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. 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 will be 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.

HTX Utility Solutions LLC (CN: Proposed) propone operar La planta de tratamiento de aguas residuales de Pleak 54 (RN: Proposed) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación está ubicada en aproximadamente 1,350 pies al noroeste de la intersección de Pleak Road y Kari Lane, en Richmond, Condado de Fort Bend, Texas 77469. Esta solicitud es para un nuevo permiso para descargar un caudal promedio diario de 300,000 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. estará 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

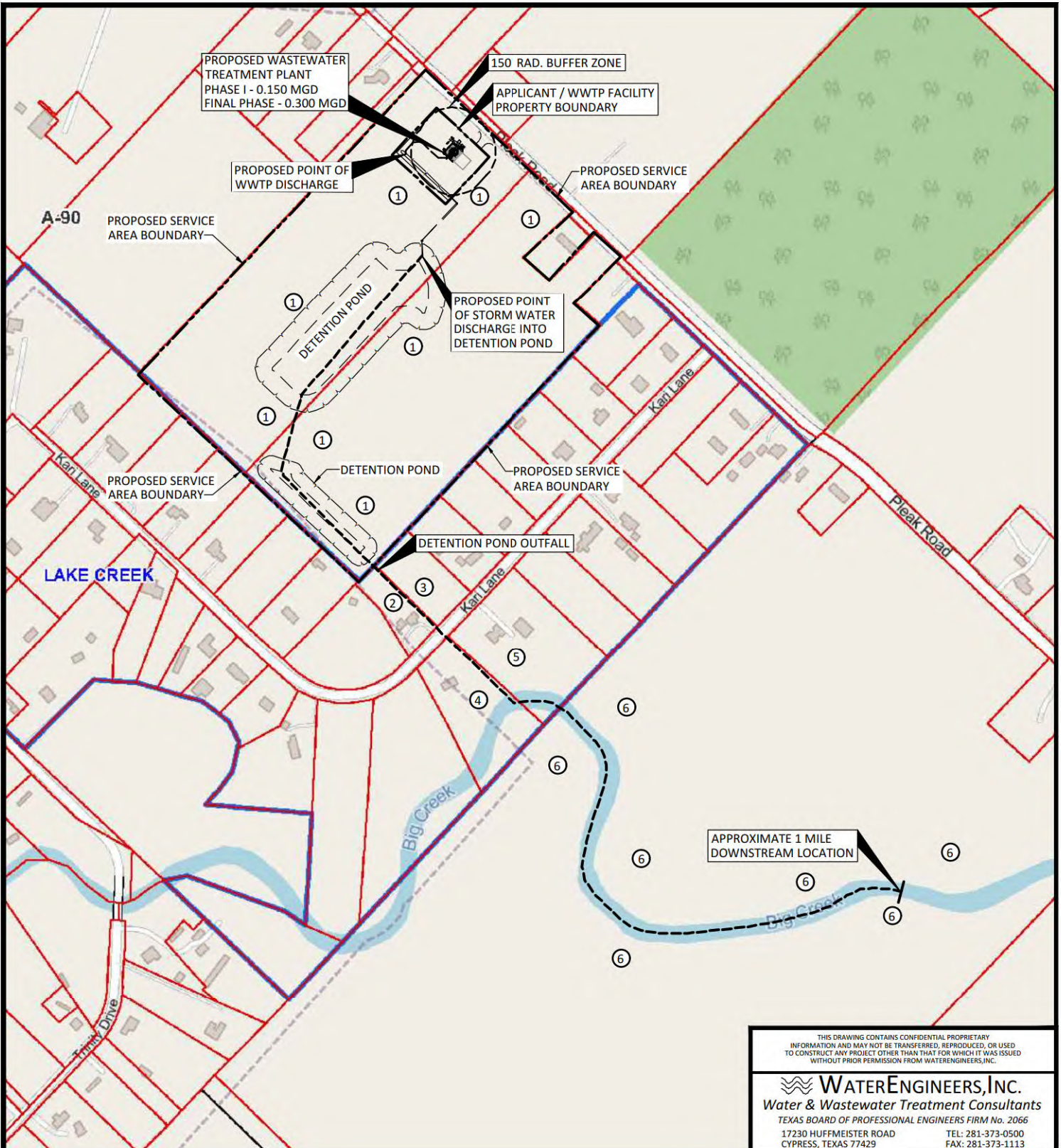
What types of notice will be provided?

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

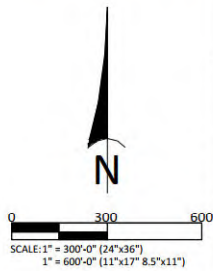
ATTACHMENT ADMIN.06

Affected Landowner Map and List

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



LEGEND
 ① DENOTES LANDOWNER
 SEE ATTACHED TABLE FOR LANDOWNERS



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 CYPRESS, TEXAS 77429 FAX: 281-373-1113

HTX UTILITY SOLUTIONS LLC
 PLEAK 54 WWTP
 APPLICATION FOR A NEW TPDES PERMIT

DOWNSTREAM & ADJACENT LANDOWNERS MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: DCP	ADMIN.06
SCALE: AS NOTED	
DATE: 6/19/2025	
JOB No.: 6375-24169	

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TABLE “ADMIN.06”

HTX UTILITY SOLUTIONS LLC

Pleak 54 Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

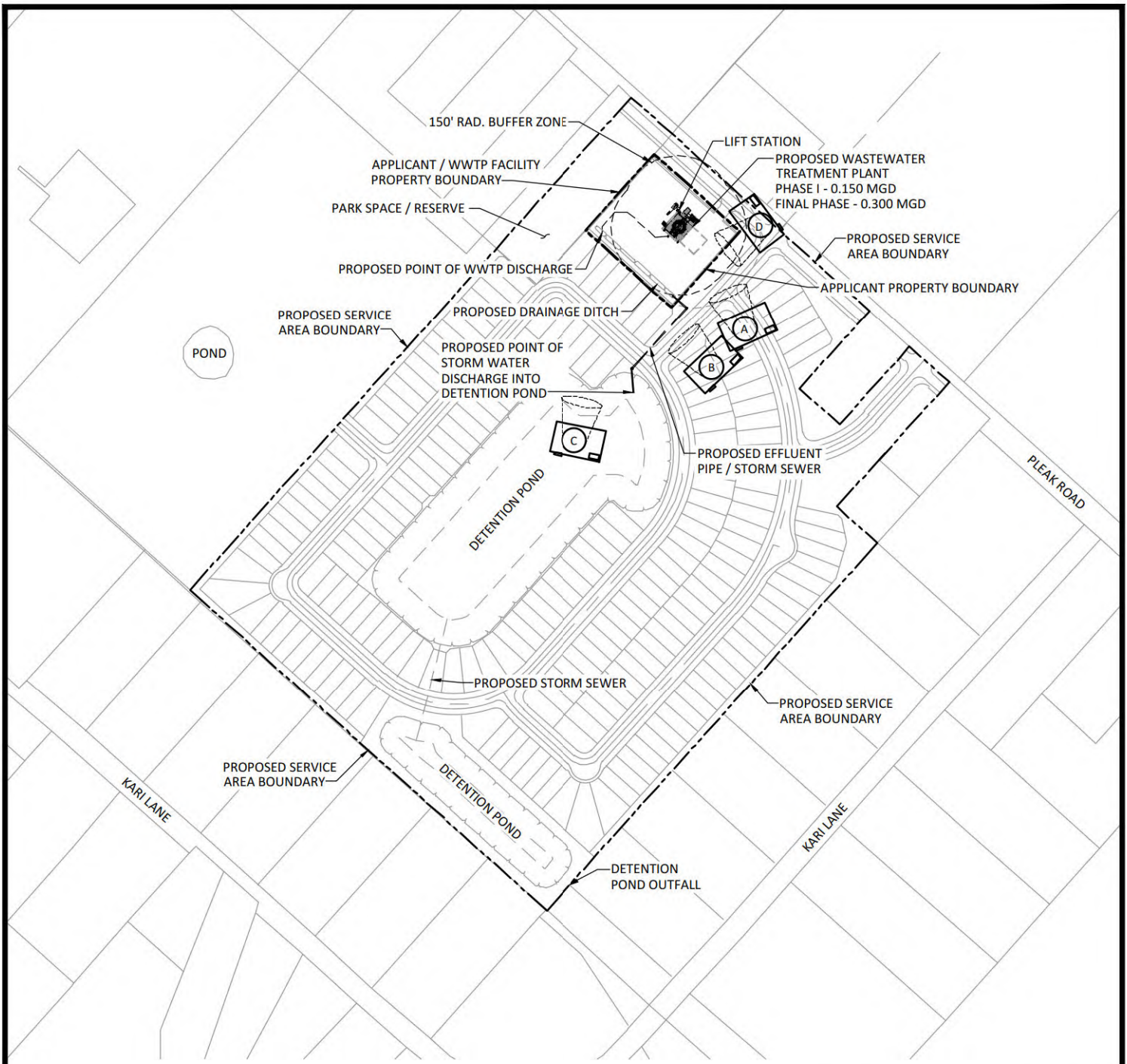
Source: Fort Bend County Appraisal District

ID No. (See Attachment “ADMIN.06” Map)	Title Owner & Address
1	Pleak 54 Holdings LLC 101 Parklane BLVD STE 102 Sugar Land, TX 77478
2	Monica Sanders 6918 Kari LN Richmond, TX 77469
3	Brett Holen 6910 Kari LN Richmond, TX 77469
4	Preston P Naquin 6917 Kari LN Richmond, TX 77469
5	Carole J & Steven C Croatt 6911 Kari LN Richmond, TX 77469
6	2020 Harwin 59 Shopping Centers Ltd 5007 Meadow Landing CT Sugar Land, TX 77479

ATTACHMENT ADMIN.07

Photographs

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



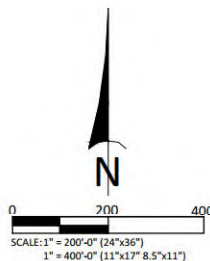
LEGEND



DENOTES LOCATION FROM WHICH PHOTOGRAPHS WERE TAKEN
SEE ATTACHMENT ADMIN.07-2 FOR SITE PHOTOGRAPHS



DEPICTS WWTP BOUNDARY



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SITE PHOTOGRAPH LOCATIONS

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APPROVED BY: DCP	ADMIN.07-1
SCALE: AS NOTED	
DATE: 6/19/2025	
JOB No.: 6375-24169	

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PROPOSED WASTEWATER TREATMENT PLANT SITE



POINT OF DISCHARGE INTO MAN-MADE DRAINAGE DITCH



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SITE PHOTOGRAPHS

DRAWN BY: BIR
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 SCALE: AS NOTED
 DATE: 6/19/2025
 JOB No.: 6375-24169

DWG. NO.:
ADMIN.07-2

** SEE ADMIN.07-1 FOR LOCATION IN WHICH PHOTOGRAPHS WERE TAKEN

UPSTREAM OF POINT OF DISCHARGE



DOWNSTREAM OF POINT OF DISCHARGE



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SITE PHOTOGRAPHS

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 JOB No.: 6375-24169

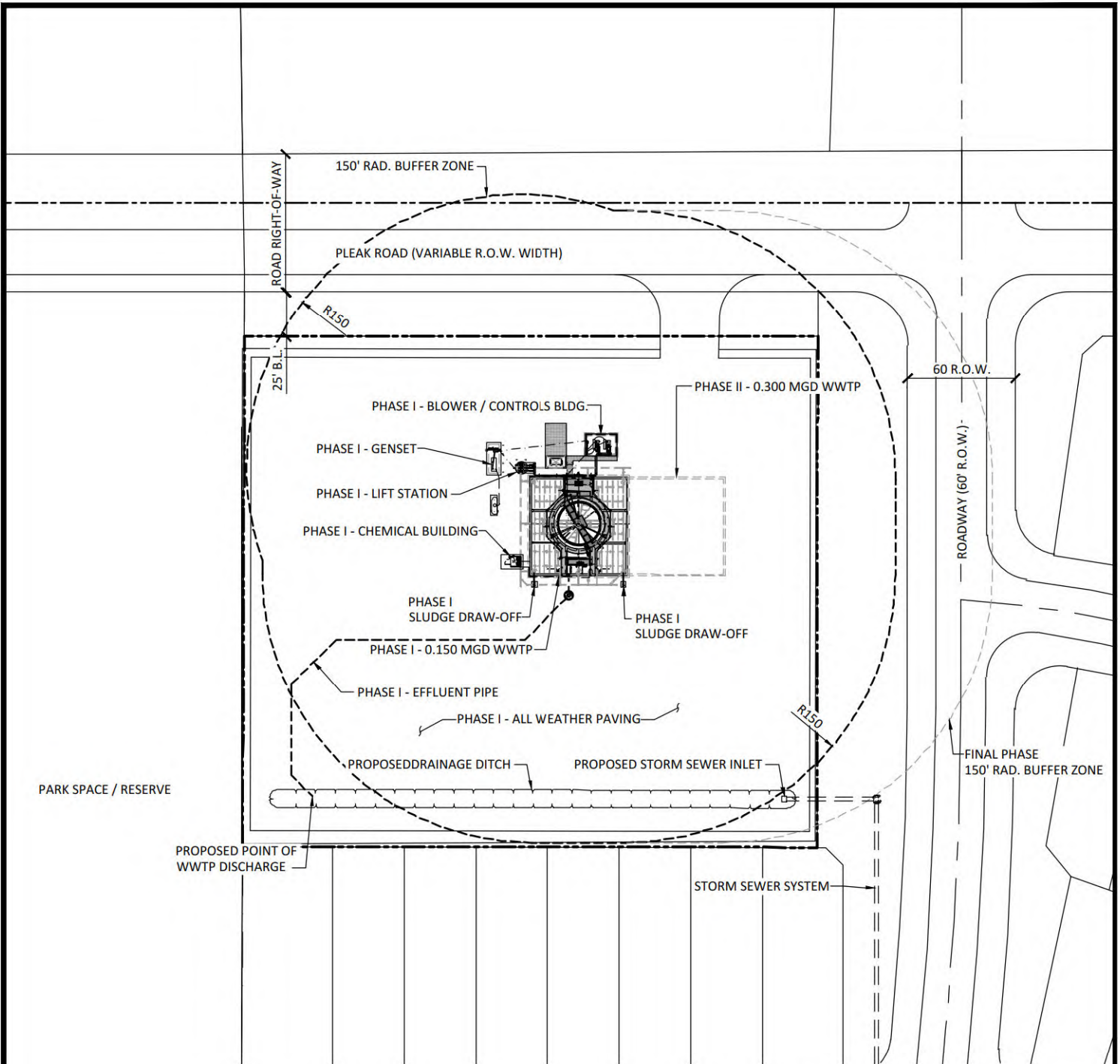
DWG. NO.:
ADMIN.07-3

** SEE ADMIN.07-1 FOR LOCATION IN WHICH PHOTOGRAPHS WERE TAKEN

ATTACHMENT ADMIN.08

Buffer Zone Map

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



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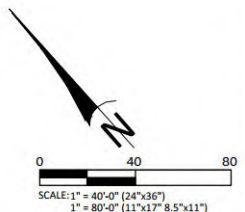
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 APPLICATION FOR A NEW TPDES PERMIT

BUFFER ZONE MAP

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SCALE: AS NOTED	
DATE: 6/19/2025	
JOB No.: 6375-24169	

ADMIN.08



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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: HTX Utility Solutions LLC

Permit No. WQ00 Proposed

EPA ID No. TX XXXXXXXXXX

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

Approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469 in Fort Bend County.

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

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

First and Last Name: Mark Janik

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

Title: Vice President

Mailing Address: 3733 Westheimer Road, Suite 2061

City, State, Zip Code: Houston, TX 77027

Phone No.: 713-875-0009 Ext.: [REDACTED] Fax No.: [REDACTED]

E-mail Address: mark@ashtongraydev.com

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

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, through an effluent pipeline, thence to a man-made drainage ditch, thence to a storm sewer, thence to a wet bottom detention pond, thence to a dry bottom detention pond, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to the Brazos River below Navasota River in Segment No. 1202 of the Brazos River Basin.

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

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

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

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

Disturbance of vegetation or wetlands

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

The WWTP site will be comprised of approximately 1/2 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 is currently vacant and unused.

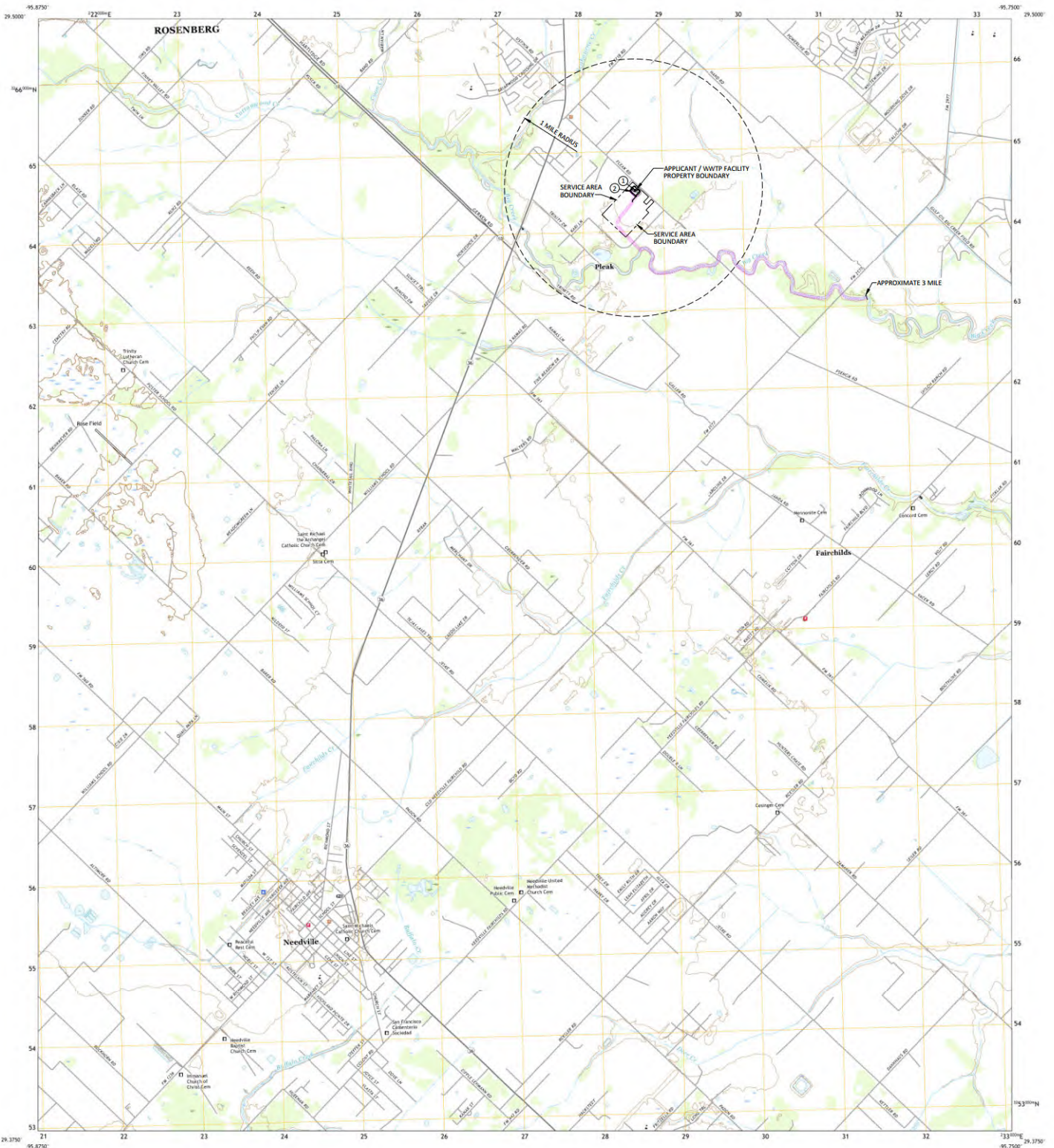
THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

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

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

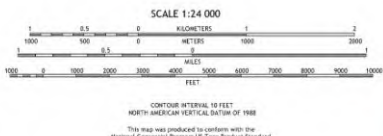
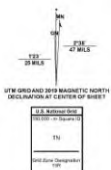
4. Provide a brief history of the property, and name of the architect/builder, if known.

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



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
North American Datum of 1983 (NAD83). Projection and
1000-meter grid (Universal Transverse Mercator, Zone 18)
This map is not a legal document. Boundaries may be
generated for this map scale. Please apply written government
instructions that may be shown. Obtain permission before
using private lands.

Imagery: ... NADP, September 2016, November 2016
Base: ... U.S. Census Bureau, 2010
Hydrography: ... National Hydrography Dataset, 2002, 2010
Contour: ... National Elevation Dataset, 2011
Boundaries: ... Multiple sources; see metadata file 2019, 2021
Wetlands: ... FWS National Wetlands Inventory, No. Available



1	2	3
4	5	6
7	8	9

ADJACENT QUADRANGLES

ROAD CLASSIFICATION

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

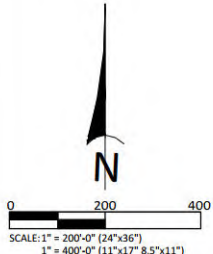
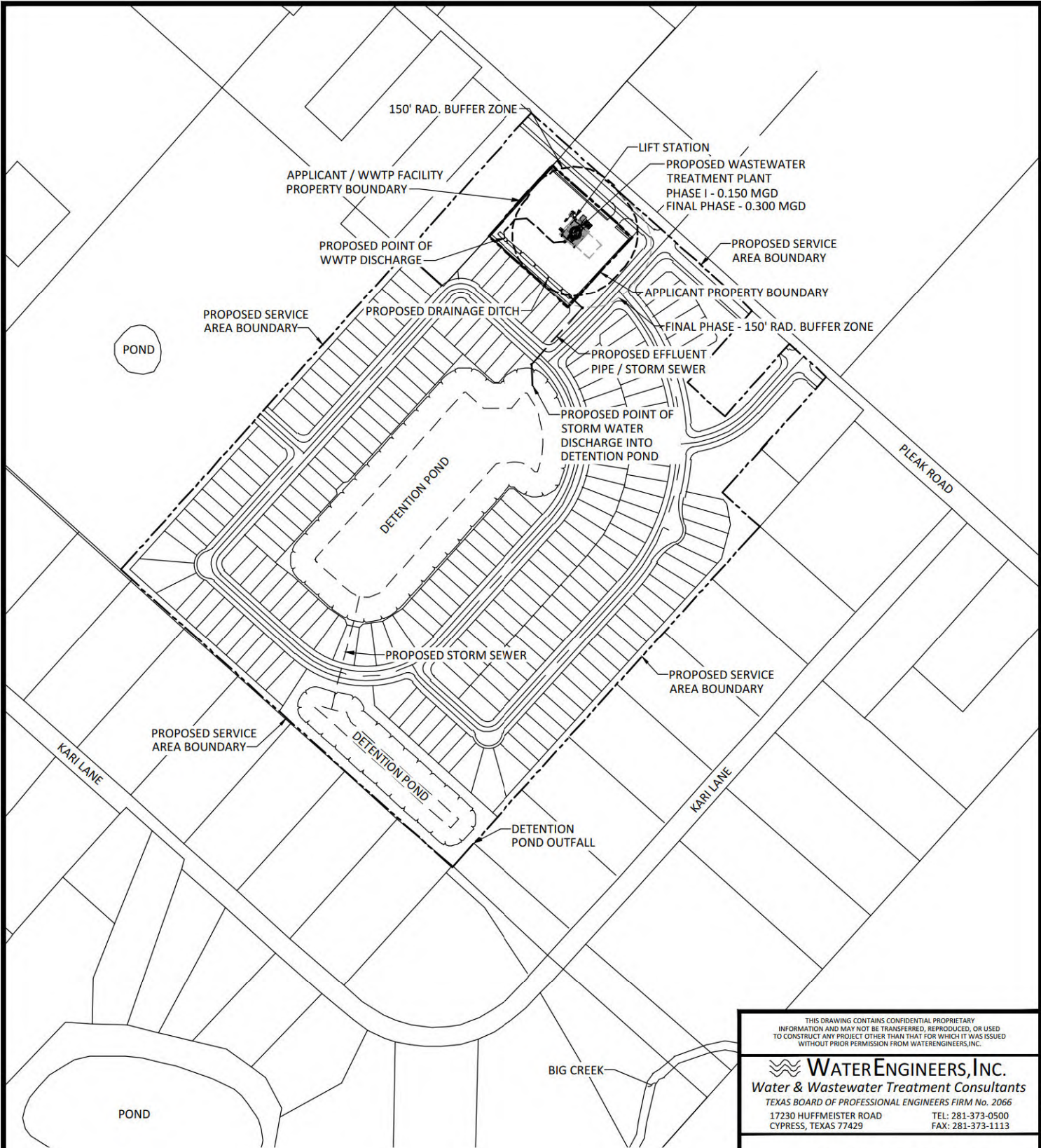
NEEDVILLE, TX
2022

SRS WATERENGINEERS, INC.
Water & Wastewater Treatment Consultants
1701 UTILITY SOLUTIONS LLC
PLEAS 54 WWTP
APPLICATION FOR A NEW TSS PERMIT

USGS TOPOGRAPHIC MAP

LEGEND
 (Pink outline) APPLICANT'S WASTEWATER TREATMENT PLANT
 (Purple outline) POINT OF DISCHARGE

ADMIN-09-1



LEGEND

	PROPOSED SERVICE AREA BOUNDARY
	PROPOSED APPLICANT PROPERTY BOUNDARY

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HTX UTILITY SOLUTIONS LLC
 PLEAK 54 WWTP
 APPLICATION FOR A NEW TPDES PERMIT

SERVICE AREA & SITE PLAN	
DRAWN BY: BIR	DWG. NO.:
APPROVED BY: DCP	ADMIN.09-2
SCALE: AS NOTED	
DATE: 6/19/2025	
JOB No.: 6375-24169	

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ATTACHMENT TECH.01

Design & Loading Criteria Table

And Design Features for Reliability

(Reference Technical Report Page 22, Section 4)

PROCESS DESIGN & LOADING CALCULATIONS
PLEAK 52 WWTP (CONCRETE)
150,000 GPD & 300,000 GPD

INFLUENT CONDITIONS			
	Units	Phase I	Final Phase
Average Daily Flow	gpd	150,000	300,000
Ratio Average / Peak Flow	Q	4	4
Peak 2-Hour Flow	gpd	600,000	1,200,000
Peak 2-Hour Flow	gpm	417	833
BOD Concentration	mg/l	300	300
BOD Loading	lb/day	375	751

SELECTOR BASIN			
	Units	Phase I	Final Phase
Tank QTY		1	2
Tank Wall Height	ft	12	12
Tank SWD	ft	10.5	10.5
Tank Freeboard	ft	1.5	1.5
Total Tank Surface Area	sq. ft.	136	272
Total Tank Volume	cu. ft.	1,428	2,856
Total Tank Volume	gallons	10,681	21,363
BOD Loading	cu. ft. / lbs BOD	3.80	3.80
Air Supply Rate (20 scfm/1000 cu ft)	scfm	29	57
% of Average Daily Flow in Selector Basin		7%	7%

AERATION BASIN (Activated Sludge)			
	Units	Phase I	Final Phase
Tank Wall Height	ft	12	12
Tank SWD	ft	10.5	10.5
Tank Freeboard	ft	1.5	1.5
Total Tank Surface Area	sq. ft.	1,038	2,076
Total Tank Volume	cu. ft.	10,899	21,798
Total Tank Volume	gallons	81,525	163,049
BOD Loading	lbs / 1000 cu. ft.	34.43	34.43
Detention Time	hours	13.04	13.04
O2 Req'd @ 2.2 # O2/lb BOD	lbs / day	826	1,651
Diffuser CW Efficiency @ Field Conditions	% / ft sub.	1.70%	1.70%
Diffuser Field Submergence	ft	9.75	9.75
Diffuser CW Transfer Eff.		16.58%	16.58%
Correction Factor (Coarse Bubble)		0.45	0.45
Diffuser Field Transfer Eff. (WOTE)		7.46%	7.46%
Process Required Air Flow Rate (RAF)	scfm	446	891
Mixing Air @ 20 scfm/1000 cu ft	scfm	218	436
Chosen Air Supply Rate	scfm	446	891
Temperature Correction Factor (30F)		1.27	1.27
Temperature Corrected Air Flow Rate	scfm	565	1,130
Air Supply	scfm / 1000 cu. ft.	52	52
RAS Airlift Air, scfm	scfm	26	26
Scum Airlift Air, scfm	scfm	5	10

CLARIFIER			
	Units	Phase I	Final Phase
Tank QTY		1	2
Tank Diameter	ft	28	28
Tank Wall Height	ft	12	12
Tank SWD	ft	10.25	10.25
Tank Freeboard	ft	1.75	1.75
Tank Surface Area	sq. ft.	616	1,232
Tank Volume	cu. ft.	6,311	12,623
Tank Volume	gallons	47,210	94,419
Avg. SOR	gpd / sq. ft.	244	244
Peak SOR	gpd / sq. ft.	974	974
Avg. Detention	hours	7.55	7.55
Peak Detention	hours	1.89	1.89
Max Qr @ 400 gpd/sf	gpm	171	171
Max Qr @ 400 gpd/sf	gpd	246,301	246,301
Max Qp + Qr	gpd	846,301	1,446,301

CHLORINE CONTACT BASIN			
	Units	Phase I	Final Phase
Tank QTY		1	2
Tank Wall Height	ft	12	12
Tank SWD	ft	9	9
Tank Freeboard	ft	3	3
Tank Surface Area	sq. ft.	142	284
Tank Volume	cu. ft.	1,278	2,556
Tank Volume	gallons	9,559	19,119
Detention @ Qp	minutes	22.94	22.94
Air Supply Rate (15 scfm/1000 cu ft)	scfm	19	38

AEROBIC DIGESTER			
	Units	Phase I	Final Phase
Tank QTY		1	2
Tank Wall Height	ft	12	12
Tank SWD	ft	10.5	10.5
Tank Freeboard	ft	1.5	1.5
Tank Surface Area	sq. ft.	640	1,280
Tank Volume	cu. ft.	6,720	13,440
Tank Volume	gallons	50,266	100,531
BOD Loading	cu. ft. / lb BOD	17.91	17.91
Air Supply Rate (20 scfm/1000 cu ft)	scfm	134	269

AIR BLOWERS			
	Units	Phase I	Final Phase
Aeration Basin Air Supply	scfm	29	57
Aeration Basin Air Supply	scfm	565	1,130
RAS Airlift Air Supply	scfm	26	26
Scum Airlift Air Supply	scfm	5	10
Chlorination Basin Air Supply	scfm	19	38
Aerobic Digester Basin Air Supply	scfm	134	269
Total Required Air Supply	scfm	749	1,473
No. of Blowers		3	5
Capacity of Each Blower w/ 1 Out of Service	scfm	375	368
Chosen Blower Capacity (Each)	scfm	400	400
Blower Op Pressure	psi	5.42	5.42

DESIGN FEATURES FOR RELIABILITY

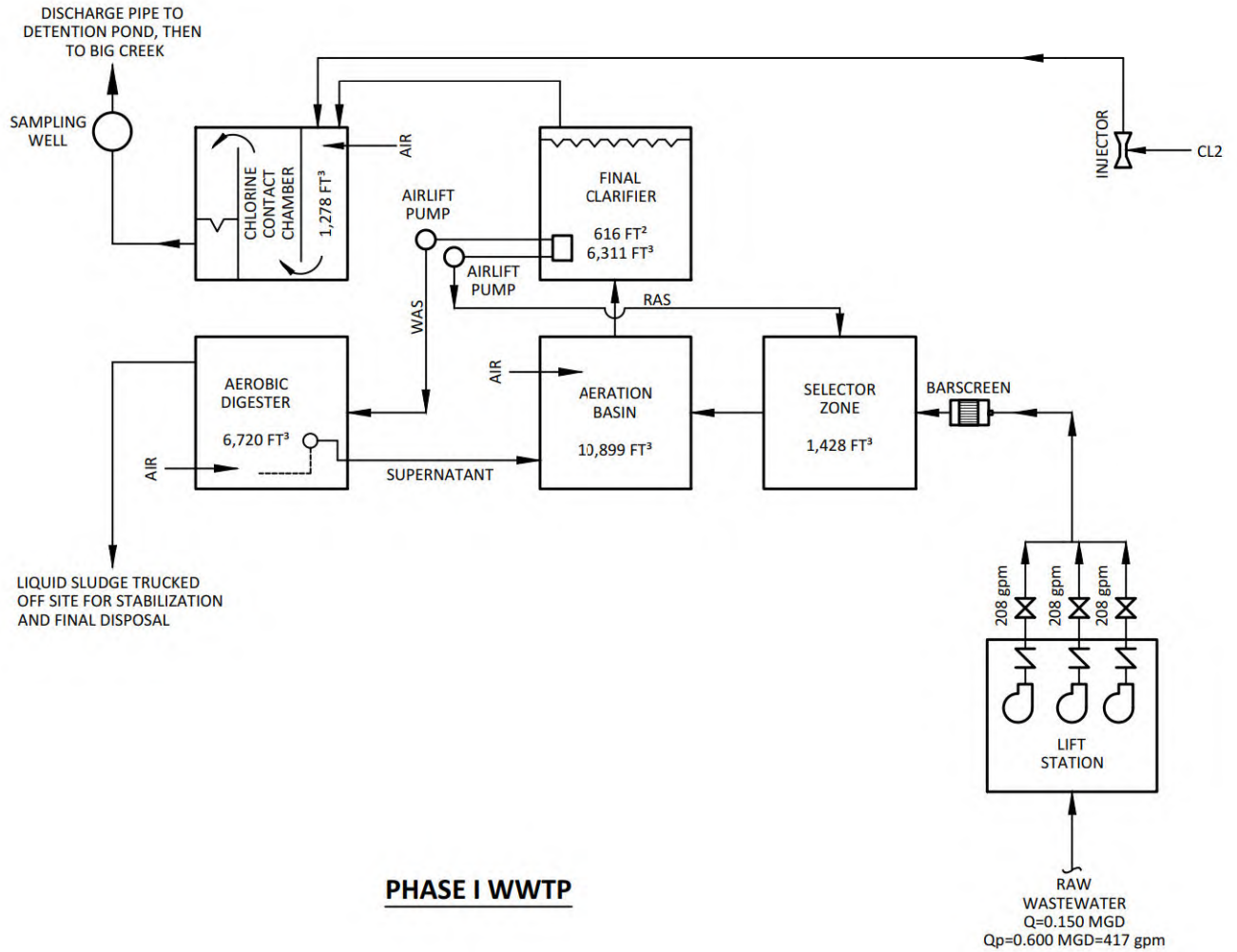
The Pleak 54 Treatment Plant will be designed to provide a high degree of mechanical reliability consistent with TCEQ Design Criteria. The following describe design features that will be incorporated at the facilities to prevent bypassing or overflows of untreated wastewater:

- A. No infiltration/inflow is anticipated since the collection system will be new and not subject to the effects of age and deterioration at this time.
- B. The electrical service that will serve the Pleak 54 site is reliable with most outages lasting less than 2-4 hours. However, HTX Utility Solutions LLC plans to purchase 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 will include 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)



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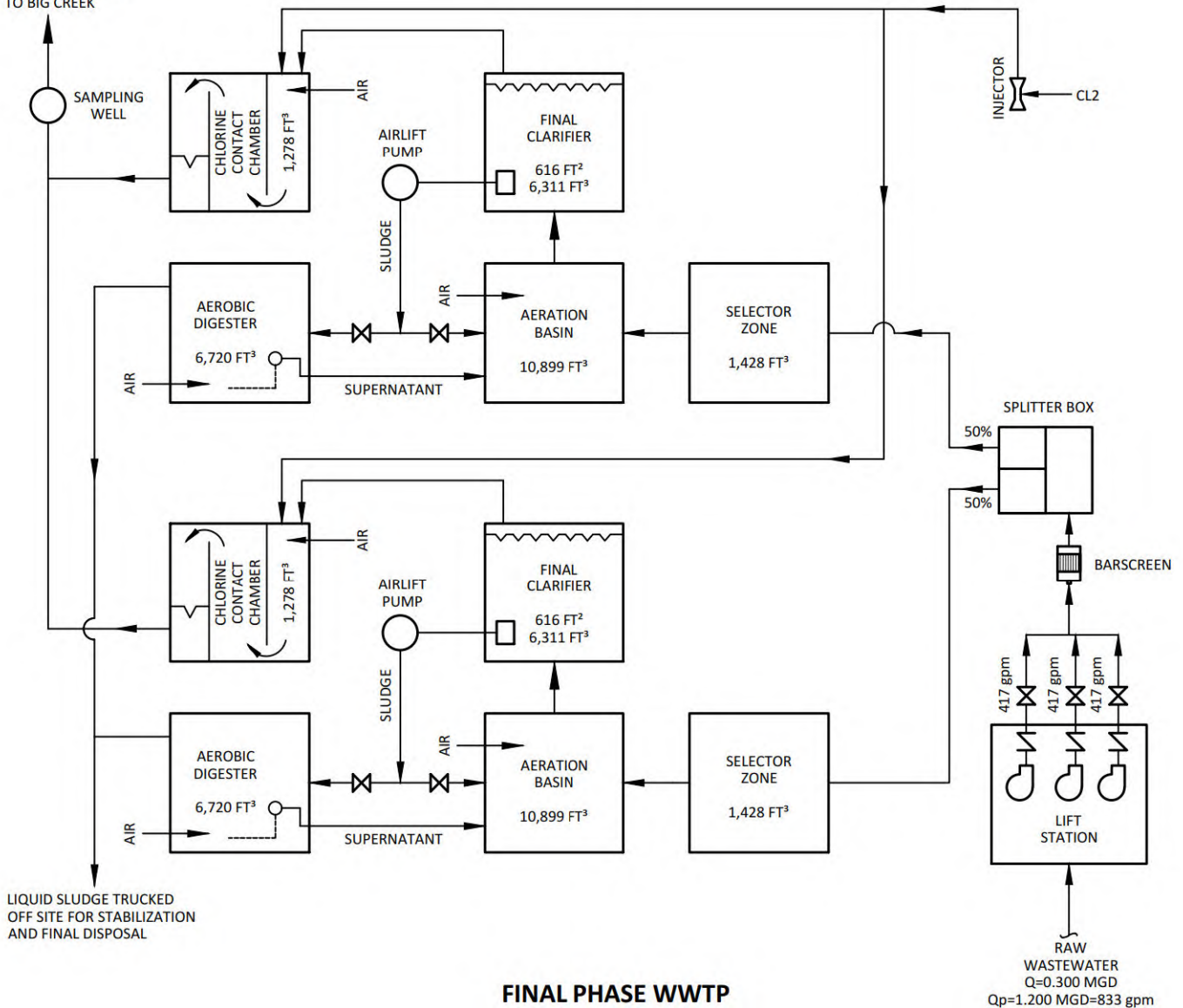
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PLEAK 54 WWTP
APPLICATION FOR A NEW TPDES PERMIT

FLOW SCHEMATIC

DRAWN BY: BIR	DWG. NO.:
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SCALE: AS NOTED	
DATE: 6/18/2025	
JOB No.: 6375-24169	

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DISCHARGE PIPE TO
DETENTION POND, THEN
TO BIG CREEK



FINAL PHASE WWTTP

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

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DWG. NO.:
TECH.02-2

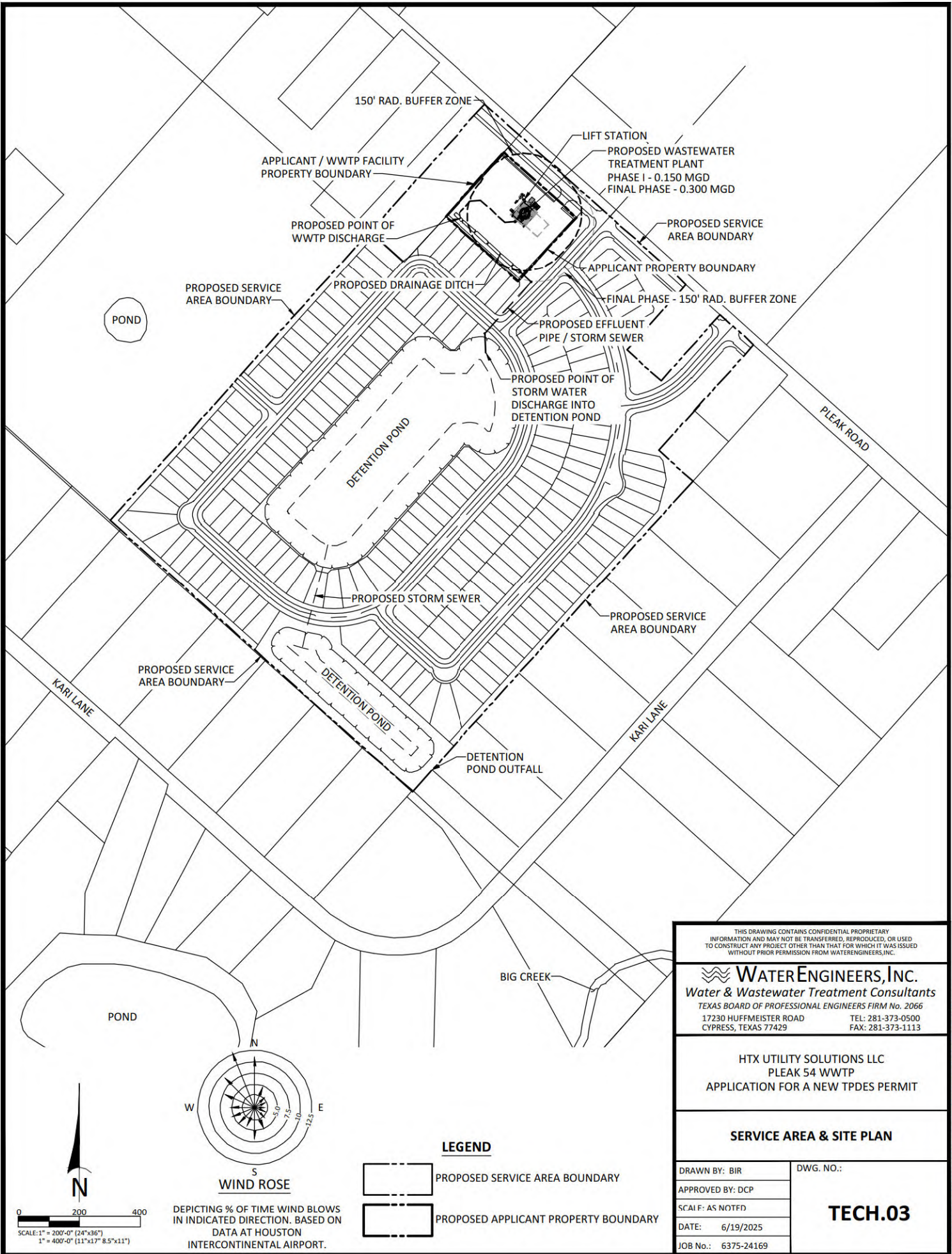
ATTACHMENT TECH.03

Site Drawing

(Reference Technical Report Page 2, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 23, Question 5B)



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SERVICE AREA & SITE PLAN

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SCALE: AS NOTED	
DATE: 6/19/2025	
JOB No.: 6375-24169	

LEGEND

- PROPOSED SERVICE AREA BOUNDARY
- PROPOSED APPLICANT PROPERTY BOUNDARY

WIND ROSE

DEPICTING % OF TIME WIND BLOWS IN INDICATED DIRECTION. BASED ON DATA AT HOUSTON INTERCONTINENTAL AIRPORT.

SCALE: 1" = 200'-0" (24"x36")
 1" = 400'-0" (11"x17" 8.5"x11")

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 Pleak 54 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 and TECH.04-02 show the process design and sludge generation calculations for the design flow of 150,000 gpd and 300,000 gpd respectively.

2. Dimensions and Capacities

Phase I of the wastewater treatment facility will have one digester basin which will provide a volume of 6,552 cu. ft., surface area of 624 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 17.46 cu. ft./1b BOD.

Final Phase of the wastewater treatment facility will have two digester basins which will provide a volume of 13,104 cu. ft., surface area of 1,248 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 17.46 cu. ft./1b 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 and TECH.04-02. 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	257	193	128	64
Final Phase	513	385	257	129

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	9	3,296	12	3,298	18	3,300	36	3,302
Final Phase	9	3,296	12	3,298	18	3,300	36	3,302

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	36,638	2.0	27,491	2.0	18,336	2.0	9,172
Final Phase	2.0	73,227	2.0	54,983	2.0	36,672	2.0	18,344

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.



WATER ENGINEERS, 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

TECH.04-01
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
PLEAK 52 WWTP (CONCRETE)
150,000 GPD ADF - 4Q

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.150	Aeration Vol, cu ft	10,899
Infl. BOD, mg/l	300	Clarifier Diameter, ft	28
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	10.25
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	616
BOD Loading, lb/day	375	Clarifier Volume, cu ft	6,311
BOD Load, #/1000 cu ft	34.43	Temperature, deg C	20

Actual Plant Loading, %	100%	75.0%	50%	25.0%
Actual Flow Rate, mgd	0.150	0.113	0.075	0.038
BOD Loading, #/Day	375	281	188	94
Ret. Sludge Rate, gpd/sq ft	400	400	400	400
Ret. Sludge Flow, mgd	0.25	0.25	0.25	0.25
t = Aeration Time, days	0.543	0.725	1.087	2.174
ts = Sludge Age, Days	9.0	12.0	18.0	36.0
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.27	0.20	0.13	0.07
F = Effl Soluble BOD	1.53	1.15	0.76	0.38
Ma = Active Mass	1,010	1,011	1,012	1,013
Me = Endogenous Mass	581	582	583	584
Mi = Inert Organic Mass	927	927	927	927
Mii = Inert Inorganic Mass	987	987	987	988
Mt = Total Mass, mg/l	3,505	3,508	3,510	3,512
Total Mass in Aeration Basin, lb	2,383	2,385	2,386	2,388
Lb BOD/Lb MLSS/Day	0.157	0.118	0.079	0.039
Effl TSS, mg/l	7	7	7	7
Effl BOD, mg/l	3	2	2	2
Sludge Accumulation, lb/day	265	199	133	66
TSS Lost In Effluent, lb/day	9	7	4	2
Waste Sludge, lb/day	256	192	128	64
Return Sludge Conc, mg/l	5,640	5,110	4,579	4,047
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd	3,070	2,304	1,537	769

SLUDGE HOLDING TANK

Volume, cu ft	6,720			
Design Loading, cu ft/lb BOD	17.91	23.87	35.81	71.62
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	32.75	43.63	65.41	130.73
Infl Total Solids, lb/day	256	192	128	64
Infl Active Mass, lb/day	74	55	37	19
Effl Active Mass, lb/Day	8	6	4	2
Active Mass Red., lb/day	53	40	27	13
Digester Effl Solids, lb/day	203	152	102	51
Sludge Disposed, lb/mg	1,354	1,355	1,355	1,356
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	1,218	914	609	305
Sludge Hauled, gal/month	36,532	27,412	18,284	9,146

WATER ENGINEERS, 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

TECH.04-02 **PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS** **PLEAK 52 WWTP (CONCRETE)** **300,000 GPD ADF - 4Q**

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.300	Aeration Vol, cu ft	21,798
Infl. BOD, mg/l	300	Clarifier Diameter, ft	28
Infl. TSS, mg/l	200	Clarifier Side Wall Depth, ft	10.25
Infl. VSS, mg/l	160	Clarifier Surface Area, sq ft	1,232
BOD Loading, lb/day	751	Clarifier Volume, cu ft	12,623
BOD Load, #/1000 cu ft	34.43	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	0.49	0.49	0.49	0.49
t = Aeration Time, days	0.543	0.725	1.087	2.174
ts = Sludge Age, Days	9.0	12.0	18.0	36.0
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.27	0.20	0.13	0.07
F = Effl Soluble BOD	1.53	1.15	0.76	0.38
Ma = Active Mass	1,010	1,011	1,012	1,013
Me = Endogenous Mass	581	582	583	584
Mi = Inert Organic Mass	927	927	927	927
Mii = Inert Inorganic Mass	987	987	987	988
Mt = Total Mass, mg/l	3,505	3,508	3,510	3,512
Total Mass in Aeration Basin, lb	4,767	4,770	4,773	4,776
Lb BOD/Lb MLSS/Day	0.157	0.118	0.079	0.039
Effl TSS, mg/l	7	7	7	7
Effl BOD, mg/l	3	2	2	2
Sludge Accumulation, lb/day	530	397	265	133
TSS Lost In Effluent, lb/day	18	13	9	4
Waste Sludge, lb/day	512	384	256	128
Return Sludge Conc, mg/l	5,640	5,110	4,579	4,047
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd	6,140	4,608	3,074	1,538

SLUDGE HOLDING TANK

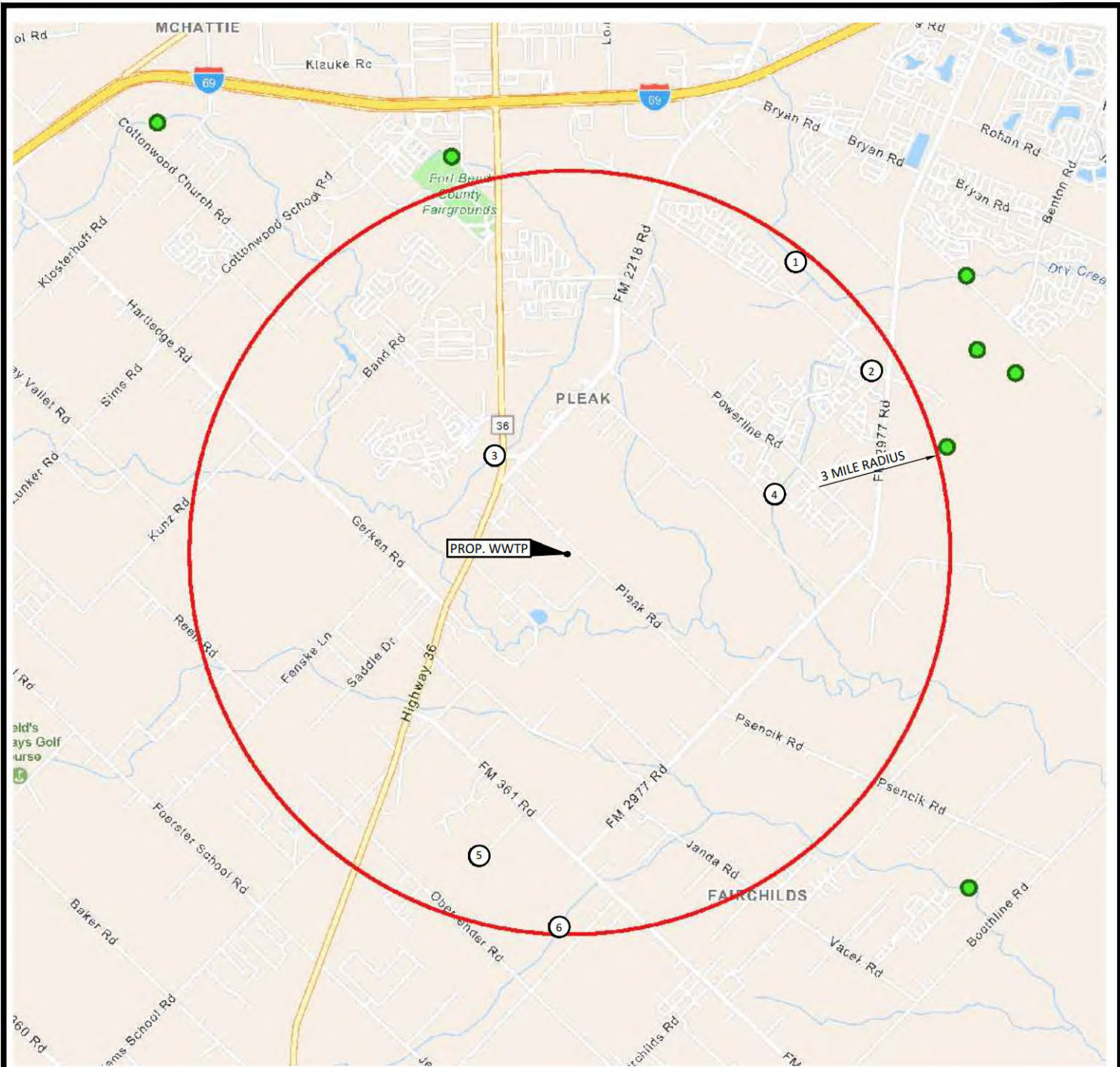
Volume, cu ft	13,440			
Design Loading, cu ft/lb BOD	17.91	23.87	35.81	71.62
Incoming Sludge Conc, mg/l	10,000	10,000	10,000	10,000
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	32.75	43.63	65.41	130.73
Infl Total Solids, lb/day	512	384	256	128
Infl Active Mass, lb/day	147	111	74	37
Effl Active Mass, lb/Day	15	11	8	4
Active Mass Red., lb/day	106	79	53	27
Digester Effl Solids, lb/day	406	305	203	102
Sludge Disposed, lb/mg	1,354	1,355	1,355	1,356
Sludge Disposed, tons/mg	0.68	0.68	0.68	0.68
Sludge Hauled, gal/day	2,435	1,827	1,219	610
Sludge Hauled, gal/month	73,064	54,825	36,568	18,293

ATTACHMENT TECH.05

Map and List of Facilities within 3 Miles

And Service Request Correspondence

(Reference Technical Report Page 20, Section 1B3)



PERMITTEE IDENTIFICATION TABLE	
CALL OUT	REGISTRATION #
1	WQ0016082001
2	WQ0014564001
3	WQ0014757001
4	WQ0015988001
5	WQ0016308001
6	WQ0016197001

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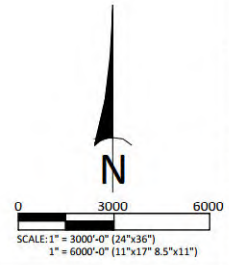
WaterEngineers, Inc.
 Water & Wastewater Treatment Consultants
 TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
 17230 HUFFMEISTER ROAD TEL: 281-373-0500
 CYPRESS, TEXAS 77429 FAX: 281-373-1113

HTX UTILITY SOLUTIONS LLC
 PLEAK 54 WWTP
 APPLICATION FOR A NEW TPDES PERMIT

THREE MILE RADIUS PERMITTEE MAP

DRAWN BY: BIR
 APPROVED BY: DCP
 SCALE: AS NOTED
 DATE: 6/12/2025
 JOB No.: 6219-24169

DWG. NO.:
TECH.05



 **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 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5247 27

Tidwell Tract, Ltd.
12701 Executive Drive, Suite 604
Stafford, Texas 77477

Re: TCEQ Waste Discharge Permit No. WQ0016082001 – Tidwell Tract, LTD Wastewater Treatment Plant

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____ Signature: _____
Name of Permittee: Tidwell Tract, Ltd. 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

May 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5246 35

Fort Bend County Municipal Utility District No. 162
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027

Re: TCEQ Waste Discharge Permit No. WQ0014564002 – Koeblen Road Wastewater Treatment Plant

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____	Signature: _____
Name of Permittee: <u>FBC MUD No. 162</u>	Printed Name: _____
Capacity Available (Yes / No)? _____	Title: _____
Terms (if available) _____	Address: _____
_____	_____
_____	Telephone: _____
_____	Email: _____

WEI Project Reference: 6219-24169 Pleak 54 WWTP TPDES

 **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 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5246 28

Fort Bend County Municipal Utility District No. 5
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027

Re: TCEQ Waste Discharge Permit No. WQ0014757001 – Fort Bend County MUD No. 5 Wastewater Treatment Plant

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____

Signature: _____

Name of Permittee: FBC MUD No. 5

Printed Name: _____

Capacity Available (Yes / No)? _____

Title: _____

Terms (if available) _____

Address: _____

Telephone: _____

Email: _____

WEI Project Reference: 6219-24169 Pleak 54 WWTP TPDES


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 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5246 11

Fort Bend County Municipal Utility District No. 162
 3200 Southwest Freeway, Suite 2600
 Houston, Texas 77027

Re: TCEQ Waste Discharge Permit No. WQ0015988001 – Fort Bend County MUD No. 162 Wastewater Treatment Plant No. 2

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____	Signature: _____
Name of Permittee: <u>FBC MUD No. 162</u>	Printed Name: _____
Capacity Available (Yes / No)? _____	Title: _____
Terms (if available) _____	Address: _____
_____	_____
_____	Telephone: _____
_____	Email: _____

WEI Project Reference: 6219-24169 Pleak 54 WWTP TPDES

 **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 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5246 04

Fort Bend County Municipal Utility District No. 256
3200 Southwest Freeway, Suite 2600
Houston, Texas 77027

Re: TCEQ Waste Discharge Permit No. WQ0016308001 – Esperanza Wastewater Treatment Plant

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____

Signature: _____

Name of Permittee: FBCMUD No. 256

Printed Name: _____

Capacity Available (Yes / No)? _____

Title: _____

Terms (if available) _____

Address: _____

Telephone: _____

Email: _____

WEI Project Reference: 6219-24169 Pleak 54 WWTP TPDES

 **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 27, 2025

Cert. Mail Receipt: 9589 0710 5270 2071 5245 98

Undine Texas Environmental, LLC
17681 Telge Road
Cypress, Texas 77429

Re: TCEQ Waste Discharge Permit No. WQ0016197001 – Tiemann Wastewater Treatment Plant

Dear Permittee:

We are writing to you on behalf of HTX Utility Solutions LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Fort Bend County, located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, Richmond, TX 77469, as shown on the attached map. HTX Utility Solutions LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 300,000 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 300,000 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: HTX Utility Solutions LLC

Attachment: 3-Mile Radius Map

REPLY

Date of Reply: _____	Signature: _____
Name of Permittee: <u>Undine Texas Environmental, LLC</u>	Printed Name: _____
Capacity Available (Yes / No)? _____	Title: _____
Terms (if available) _____	Address: _____
_____	_____
_____	Telephone: _____
_____	Email: _____

WEI Project Reference: 6219-24169 Pleak 54 WWTP TPDES

9589 0710 5270 2071 5247 27

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Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark
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Sent To Tidwell Tract, Ltd.
Street and Apt. No., or PO Box No. 12701 Executive Dr. Ste. 604
City, State, ZIP+4® Stafford, TX 77477

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

9589 0710 5270 2071 5246 04

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<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

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<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

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Street and Apt. No., or PO Box No. 3200 Southwest Fwy, Ste 2600
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Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

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Street and Apt. No., or PO Box No. 3200 Southwest Fwy Ste 2600
City, State, ZIP+4® Houston, TX 77027

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

9589 0710 5270 2071 5246 35

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Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark
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Sent To Fort Bend County MUD 162
Street and Apt. No., or PO Box No. 3200 Southwest Fwy, Ste 2600
City, State, ZIP+4® Houston, TX 77027

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

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Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Postmark
Here


Sent To Urdine Texas Environmental, LLC
Street and Apt. No., or PO Box No. 17001 Telge Rd
City, State, ZIP+4® Cypress, TX 77429

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


6219-24169 JR

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> 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. 	A. Signature X Seylon I. McPhoy <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Fort Bend County mud 162 3200 Southwest Hwy Ste. 2600 Houston, Tx 77027	B. Received by (Printed Name) JUN 02 2025	C. Date of Delivery
 9590 9402 8455 3156 2562 53	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 9589 0710 5270 2071 5246 11	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery	
PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt		

6219-24169 JR

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> 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. 	A. Signature X JUN 02 2025 <input type="checkbox"/> Agent Seylon I. McPhoy <input type="checkbox"/> Addressee	
1. Article Addressed to: Fort Bend County mud 256 3200 Southwest Hwy, Ste 2600 Houston, Tx 77027	B. Received by (Printed Name) JUN 02 2025	C. Date of Delivery
 9590 9402 8455 3156 2562 84	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 9589 0710 5270 2071 5246 04	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery	
PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt		

6219-24169 JR

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> 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. 	A. Signature X <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
1. Article Addressed to: Windline Texas Environmental 17681 Teige Rd Cypress, Texas 77429	B. Received by (Printed Name)	C. Date of Delivery
 9590 9402 8455 3156 2562 77	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
2. Article Number (Transfer from service label) 9589 0710 5270 2071 5245 98	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery	
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.

1. Article Addressed to:

Fort Bend County MUD 162
3200 Southwest Frey, Ste. 2600
Houston, Tx 77027



9590 9402 8455 3156 2562 39

2. Article Number (Transfer from service label)

9589 0710 5270 2071 5246 35

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

COMPLETE THIS SECTION ON DELIVERY

6219-24169 JB
A. Signature JUN 02 2025
X Seylon I. McPhoy Agent
Addresssee

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

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

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

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:

Fort Bend County MUD 5
3200 Southwest Frey, Ste. 2600
Houston, Tx 77027



9590 9402 8455 3156 2562 60

2. Article Number (Transfer from service label)

9589 0710 5270 2071 5246 28

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

COMPLETE THIS SECTION ON DELIVERY

6219-24169 JB
A. Signature JUN 02 2025
X Seylon I. McPhoy Agent
Addresssee

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

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

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

WaterEngineers, Inc.
17230 Huffmeister Rd. Ste A
Cypress, Texas 77429

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE
CERTIFIED MAIL®

HOUSTON TX RPDC 773



28 MAY 2025 PM 5:1



FP **US POSTAGE**
\$009.64⁰
First-Class - IM
ZIP 77429

05/27/2025
033B 0071821635

9589 0710 5270 2071 5247 27

UKC

5.28

Tidwell Tract, Ltd.
12701 Executive Drive, Suite 604
Stafford, Texas 77477

Re: TCEQ Waste Discharge Permit No.

7747742903643
77477-4000

NIXIE 773 FE 1 0006/11/25
RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD
BC: 77429164330 *2233-01588-28-40

ATTACHMENT TECH.06

Estimated Development Schedule

(Reference Technical Report Page 19, Section 1A)

TECH.06
ESTIMATED DEVELOPMENT SCHEDULE
PLEAK 54 WWTP

YEAR	QUARTER	CONNECTIONS TO BE ADDED	COMMUNALATIVE CONNECTIONS	GALLONS PER DAY TO WWTP	WWTP PHASE CONSTRUCTION SCHEDULE
2027	Q1	40	40	10,000	1st Phase - 150,000 GPD WWTP in Operation
	Q2	40	80	20,000	
	Q3	40	120	30,000	
	Q4	40	160	40,000	
2028	Q1	40	200	50,000	
	Q2	40	240	60,000	
	Q3	40	280	70,000	
	Q4	40	320	80,000	
2029	Q1	40	360	90,000	
	Q2	40	400	100,000	
	Q3	40	440	110,000	
	Q4	40	480	120,000	
2030	Q1	40	520	130,000	2nd Phase - Expansion to 300,000 GPD WWTP Begins Construction
	Q2	40	560	140,000	
	Q3	40	600	150,000	
	Q4	40	640	160,000	
2031	Q1	40	680	170,000	Proposed Development Build Out Complete
	Q2	40	720	180,000	
	Q3	40	760	190,000	
	Q4	40	800	200,000	
2032	Q1	40	840	210,000	Future Development Start
	Q2	40	880	220,000	
	Q3	40	920	230,000	
	Q4	40	960	240,000	
					Future Development Build Out Complete

* Note that the above calculations are based on 250 gallons per day per ESFC (Estimated Standard Family Connection).

Leah Whallon

From: Danny Parks <danny@waterengineers.com>
Sent: Thursday, July 17, 2025 1:22 PM
To: Leah Whallon
Cc: Nathaniel Lail; Jeremy Wilcken
Subject: RE: Application for Proposed Permit No. WQ0016841001; HTX Utility Solutions LLC; Pleak 54 Holdings LLC; Pleak 54 WWTP
Attachments: ADMIN.04 (Plain Language Summary Form).pdf; ADMIN.06 (Downstream Affected Landowner LIST).pdf; ADMIN.06 (Downstream Affected Landowner MAP).pdf; LABELS - Downstream Affected Landowners - Pleak 54 WWTP TPDES 2.docx; wq0016841001-nod1 - MARKUPS.pdf; Municipal Discharge New Spanish NORI - WQ0016841001.docx; TECH FORM - PAGE 2 - UPDATED OUTFALL COORDINATES.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Hello Leah!

Thank you for reaching out!

Please see my answer to the NOD items below!

1. If it is not a requirement to use both applicant addresses, please only use the address for HTX Utility Solutions LLC being **3733 Westheimer Road, Suite 2061, Houston, TX 77027**.
2. Please see the revised plain language summary including both applicants and relevant information attached.
3. Please see the revised downstream property owner map, list and labels.
4. Please see my Markup in **RED** on the NORI Notice Letter. Please update "Pleak" to "Village of Pleak". Everything else is great! Please proceed!
5. Please see the attached Spanish translated NORI. I have included the edit in as noted above.

*I also noted one more mistake that I had made in the TPDES Technical Form Page 2 Section 3. The TPDES discharge outfall Latitude and Longitude was incorrect. I have updated the attached form to fix this, the correct outfall coordinates should be **(Latitude: 29.480836) (Longitude: -95.798800)**. Can you please note this change in the review file?

Thank you Leah!

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

From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>

Sent: Friday, July 11, 2025 4:05 PM

To: Danny Parks <danny@waterengineers.com>

Subject: Application for Proposed Permit No. WQ0016841001; HTX Utility Solutions LLC; Pleak 54 Holdings LLC; Pleak 54 WWTP

Good Afternoon,

Please see the attached Notice of Deficiency letter dated July 11, 2025 requesting additional information needed to declare the application administratively complete. Please send the complete response by July 25, 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



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.

HTX Utility Solutions LLC (CN: 606403608) and Pleak 54 Holdings LLC (CN: 606403590) proposes to operate the Pleak 54 Wastewater Treatment Plant (RN: 112213061), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 1,350 ft northwest of the intersection of Pleak Road and Kari Lane, in Richmond, Fort Bend County, Texas 77469. This application is for a new permit to discharge at a daily average flow of 300,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. 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 will be treated by a conventional activated sludge with nitrification process plant and the treatment units will include a bar screen, selector basins, 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.

HTX Utility Solutions LLC (CN: 606403608) and Pleak 54 Holdings LLC (CN: 606403590) propone operar La planta de tratamiento de aguas residuales de Pleak 54 (RN: 112213061) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación está ubicada en aproximadamente 1,350 pies al noroeste de la intersección de Pleak Road y Kari Lane, en Richmond, Condado de Fort Bend, Texas 77469. Esta solicitud es para un nuevo permiso para descargar un caudal promedio diario de 300,000 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. estará tratado por Una planta de proceso convencional de lodos activados con nitrificación y las unidades de tratamiento incluirán una rejilla de barras, tanques selectores, tanques de aireación, clarificadores finales, digestores de lodos y una cámara de contacto con cloro.

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.**

PHASE I: Flow enters the conventional activated sludge process with nitrification plant through lift station pumps, thence through a bar screen, into a selector basin, thence to aeration basins, thence to the clarifier, thence to the chlorine contact chamber for disinfection and discharge. Sludge from the bottom of the clarifier will either be airlifted back to the selector basin or wasted to the aerobic digester. FINAL PHASE: The final phase will include the addition of a splitter box, and a duplicate of the Phase I WWTP.

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)
	Phase I / Final Phase	
Selector Basin	1 / 2	136 sq. ft. x 10.5-ft H
Aeration Basin	1 / 2	1,038 sq. ft. x 10.5-ft H
Clarifier	1 / 2	28-ft Diam. x 10.25-ft
Chlorine Contact Basin	1 / 2	142 sq. ft. x 9.00-ft H
Aerobic Digester	1 / 2	640 sq. ft. x 10.5-ft H

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: 29.480836
- Longitude: -95.798800

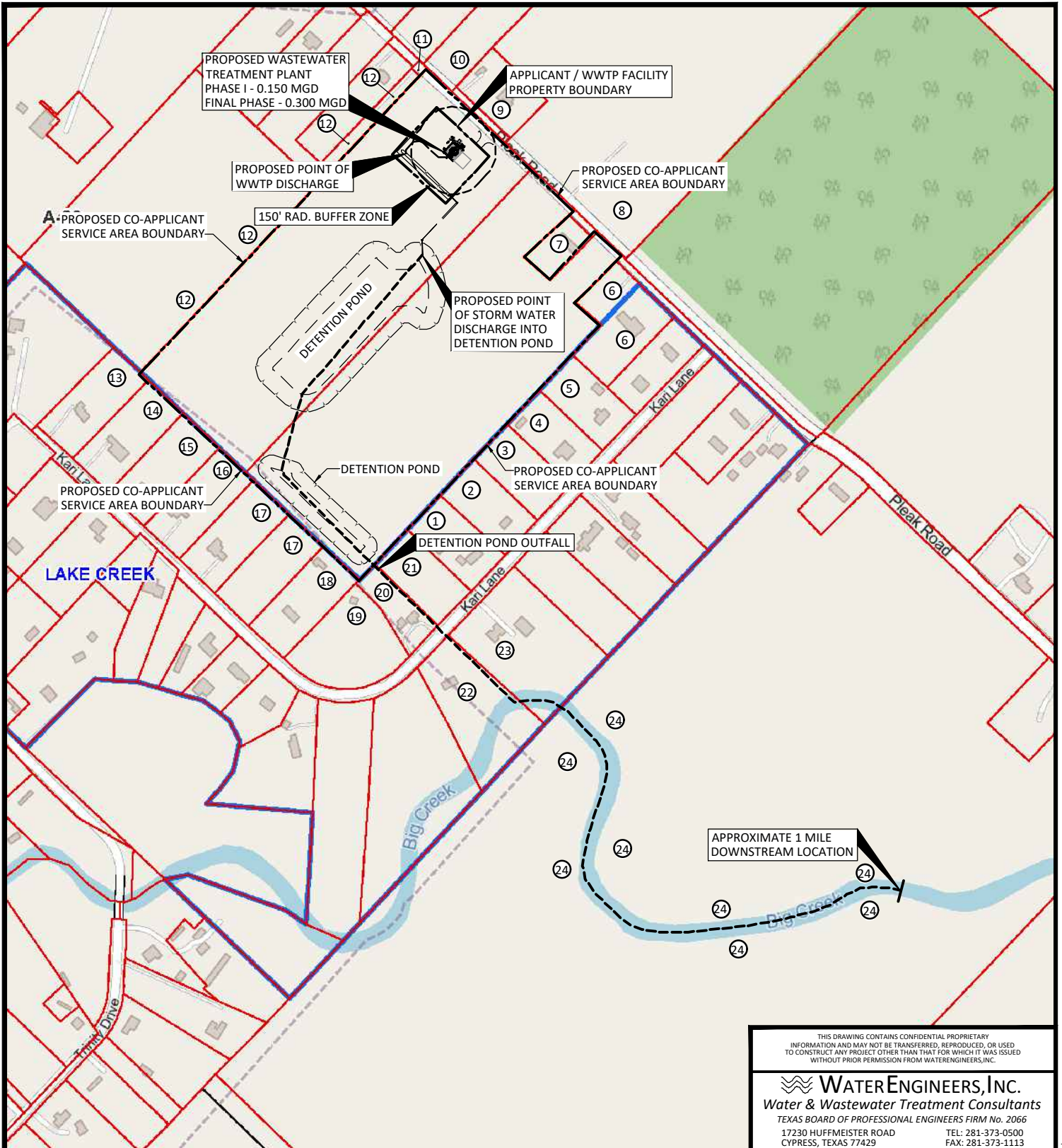
Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

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

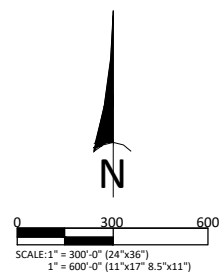
Provide a site drawing for the facility that shows the following:

- 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



LEGEND
 ① DENOTES LANDOWNER
 SEE ATTACHED TABLE FOR LANDOWNERS



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.

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

HTX UTILITY SOLUTIONS LLC
 PLEAK 54 WWTP
 APPLICATION FOR A NEW TPDES PERMIT

DOWNSTREAM & ADJACENT LANDOWNERS MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: DCP	ADMIN.06
SCALE: AS NOTED	
DATE: 7/17/2025	
JOB No.: 6375-24169	

w:\current\pleak54\pleak54-wwtp\tpdes-25\weir-current\ADMIN.06.dwg

TABLE "ADMIN.06"

HTX UTILITY SOLUTIONS LLC

Pleak 54 Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

Source: Fort Bend County Appraisal District

ID No. (See Attachment "ADMIN.06" Map)	Title Owner & Address
1	Brett Marshall Holden PO Box 955 Richmond, TX 77406
2	Harold Everett Kennedy 6902 Kari LN Richmond, TX 77469
3	Leonel & Lucy Maldonado 3107 Battle Ridge LN Sugar Land, TX 77479
4	Cody W Hester etal 6802 Kari LN Richmond, TX 77469-8981
5	Beatrice West 4344 E Cherokee ST Phoenix, TX 85044
6	Barton W & Margaret A Janczak 6616 Pleak RD Richmond, TX 77469
7	Santiago Castaneda 6522 Pleak RD Richmond, TX 77469
8	MC Oakcrest LLC 1650 Highway 6, STE 120 Sugar Land, TX 77478
9	Joe Richard Hand etal PO Box 7 Richmond, TX 77406
10	Loraine Filla Scattergood 622 Lakeview DR Sugar Land, TX 77498

11	Village Of Pleak Texas 6621 Fm 2218 RD Richmond, TX 77469
12	Blodgett Company 1514 Plantation DR Richmond, TX 77406
13	Daniel Keith & Maureen Sullivan 7118 Kari LN Richmond, TX 77469
14	Thu Thi Anh Le 7114 Kari LN Richmond, TX 77469
15	Steve S Gonzales & Sharon Denise Franek 3006 Meadowbend CIR Richmond, TX 77469
16	Francisco Omar Olague & Brooke Ashley Authur 7102 Kari LN Richmond, TX 77469
17	Alfredo Romo Cruz, 7022 Kari LN Richmond, TX 77469
18	Aaron J & Maria J Trevino 7014 Kari LN Richmond, TX 77469
19	Jesse M Gonzalez 1914 Mariposa Edge LN Richmond, TX 77469
20	Monica Sanders 6918 Kari LN Richmond, TX 77469
21	Brett Holen 6910 Kari LN Richmond, TX 77469
22	Preston P Naquin 6917 Kari LN Richmond, TX 77469
23	Carole J & Steven C Croatt 6911 Kari LN Richmond, TX 77469
24	2020 Harwin 59 Shopping Centers Ltd 5007 Meadow Landing CT Sugar Land, TX 77479

Brett Marshall Holden
PO Box 955
Richmond, TX 77406

Harold Everett Kennedy
6902 Kari LN
Richmond, TX 77469

Leonel & Lucy Maldonado
3107 Battle Ridge LN
Sugar Land, TX 77479

Cody W Hester etal
6802 Kari LN
Richmond, TX 77469-8981

Beatrice West
4344 E Cherokee ST
Phoenix, TX 85044

Barton W & Margaret A Janczak
6616 Pleak RD
Richmond, TX 77469

Santiago Castaneda
6522 Pleak RD
Richmond, TX 77469

MC Oakcrest LLC
1650 Highway 6, STE 120
Sugar Land, TX 77478

Joe Richard Hand etal
PO Box 7
Richmond, TX 77406

Lorraine Filla Scattergood
622 Lakeview DR
Sugar Land, TX 77498

Village Of Pleak Texas
6621 Fm 2218 RD
Richmond, TX 77469

Blodgett Company
1514 Plantation DR
Richmond, TX 77406

Daniel Keith & Maureen Sullivan
7118 Kari LN
Richmond, TX 77469

Thu Thi Anh Le
7114 Kari LN
Richmond, TX 77469

Steve S Gonzales & Sharon Denise Franek
3006 Meadowbend CIR
Richmond, TX 77469

Francisco Omar Olague & Brooke Ashley
Authur
7102 Kari LN
Richmond, TX 77469

Alfredo Romo Cruz,
7022 Kari LN
Richmond, TX 77469

Aaron J & Maria J Trevino
7014 Kari LN
Richmond, TX 77469

Jesse M Gonzalez
1914 Mariposa Edge LN
Richmond, TX 77469

Monica Sanders
6918 Kari LN
Richmond, TX 77469

Brett Holen
6910 Kari LN
Richmond, TX 77469

Preston P Naquin
6917 Kari LN
Richmond, TX 77469

Carole J & Steven C Croatt
6911 Kari LN
Richmond, TX 77469

2020 Harwin 59 Shopping Centers Ltd
5007 Meadow Landing CT
Sugar Land, TX 77479

Mr. Danny Parks, P.E.
Page 2
July 11, 2025
Permit No. WQ0016841001

Village of Pleak

APPLICATION. HTX Utility Solutions LLC and Pleak 54 Holdings LLC, 3733 Westheimer Road, Suite 2061, Houston, Texas 77027 (pending response), have applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016841001 (EPA I.D. No. TX0148105) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 300,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1,350 feet northwest of the intersection of Kari Lane and Pleak Road, near Pleak, in Fort Bend County, Texas 77469. The discharge route will be from the plant site to a man-made drainage ditch, thence to a storm sewer, thence to a series of detention ponds, thence to an unnamed tributary of Big Creek, thence to Big Creek, thence to the Brazos River below Navasota River (pending RWA). TCEQ received this application on July 3, 2025. The permit application will be available for viewing and copying at Fort Bend County Libraries - George Memorial Library, 1001 Golfview Drive, Richmond, in Fort Bend County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.798333,29.481111&level=18>

Further information may also be obtained from HTX Utility Solutions LLC and Pleak 54 Holdings LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

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

Please submit the complete response, addressed to my attention by July 25, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,



Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

Enclosure
Municipal Discharge New Spanish NORI

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ00

SOLICITUD. *HTX Utility Solutions LLC and Pleak 54 Holdings LLC, 3733 Westheimer Road, Suite 2061, Houston, Texas 77027*, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ00 *16841001* (EPA I.D. No. TX *0148105*) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de *300,000* galones por día. La planta estará ubicada *aproximadamente 1,350 pies al noroeste de la intersección de Kari Lane y Pleak Road, cerca de Village of Pleak* en el Condado de *Fort Bend*, Texas *77469*. La ruta de descarga estará del sitio de la planta a *una zanja de drenaje artificial, de allí a un alcantarillado pluvial, de allí a una serie de estanques de retención, de allí a un afluente sin nombre de Big Creek, de allí a Big Creek, de allí al río Brazos debajo del río Navasota (pendiente de RWA)*. La TCEQ recibió esta solicitud el *3 de julio de 2025*. La solicitud para el permiso estará disponible para leerla y copiarla en *Bibliotecas del Condado de Fort Bend - Biblioteca George Memorial, 1001 Golfview Drive, Richmond, Condado de Fort Bend, Texas* antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: <https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.798333,29.481111&level=18>

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

AVISO 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 agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del *HTX Utility Solutions LLC y Pleak 54 Holdings LLC* 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]*