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

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

Fill in the 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.

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
Enter 'INDUSTRIAL' or 'DOMESTIC' here 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.

Utilities Investment Company, Inc. (CN600633093) operates Hammond Mound Wastewater Treatment Plant (RN101720886), an activated sludge process with nitrification operated in the complete mix mode. The facility is located at 34699 Sunset Lane, in Brookshire, Waller County, Texas 77423. This application for a major amendment application to discharge a daily average flow of 198,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units will include a screening facility, equalization basins/anoxic zones, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

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

AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí **/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.

Utilities Investment Company, Inc. (CN600633093) opera la Planta de Tratamiento de Aguas Residuales de Hammond Mound (RN 101720886), un proceso de lodos activados con nitrificación operado en el modo de mezcla completa. La instalación está ubicada en 34699 Sunset Lane, en Brookshire, Condado de Waller, Texas 77423. Esta solicitud es para una enmienda importante aplicación para descargar a un flujo promedio diario de 198,000 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 ($CBOD_5$), solidos totalmente suspendidos (TSS), nitrógeno amoniacal (NH_3-N), y *Escherichia coli.* Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Domésticas 1.0, Seccion 7 Análisis de Contaminantes de Efluente Tratado en el paquete de solicitud de permisos.. Las aguas residuales domésticas. está tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, cuenca de ecualización/zona anóxica, balsas de aireación, clarificadores finales, digestores de lodos, y cámaras de contacto.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0013984001

APPLICATION. Utilities Investment Company, Inc., P.O. Box 279, New Waverly, Texas 77358, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0013984001 (EPA I.D. No. TX0117366) to authorize an increase to the discharge of treated wastewater to a volume not to exceed a daily average flow of 198,000 gallons per day**.** The domestic wastewater treatment facility is located at 34699 Sunset Lane, near the city of Brookshire, in Waller County, Texas 77423. The discharge route is from the plant site to an unnamed tributary; thence to Bessies Creek; thence to Brazos River Below Navasota River. TCEQ received this application on June 6, 2025. The permit application will be available for viewing and copying at Brookshire-Pattison Public Library, reference desk, 3815 6th Street, Brookshire, in Waller 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=-95.965555,29.874444&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 Utilities Investment Company, Inc. at the address stated above or by calling Ms. Shelley Young, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: June 23, 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. WQ0013984001

SOLICITUD. Utilities Investment Company, Inc. P.O. Box 279, New Waverly, Tejas 77358, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para enmendar Permiso No. WQ0013984001 (EPA I.D. No. TX0117366) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizarla un aumento en el descarga de aguas residuales tratadas hasta un volumen que no exceda un caudal medio diario de 198,000 galones por dia. La planta está ubicada a 34699 Sunset Lane, cerca la ciudad de Brookshire, en el Condado de Waller, Tejas 77423. La ruta de descarga es del sitio de la planta a tributario sin nombre; de ahí a Bessies Creek; de ahí a Rio Brazos abajo Rio Navasota. La TCEQ recibió esta solicitud el 6 de junio de 2025. La solicitud para el permiso está disponible para leerla y copiarla en Biblioteca Publica de Brookshire-Pattison, escritorio de referencia, 3815 Calle 6th, Brookshire, en Condado de Waller, Tejas antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluidas las actualizaciones y los avisos asociados, stan disponibles electrónicamente en la siguiente pagina 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/LocationMappr/?marker=-95.965555,29.874444&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

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

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y

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

También se puede obtener información adicional del Utilities Investment Company, Inc. a la dirección indicada arriba o llamando a Ms. Shelley Young, P.E., WaterEngineers, Inc., al 281-373-0500.

Fecha de emission: 23 de junio de 2025

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

Overnight by UPS

June 4, 2025

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

Re: Utilities Investment Company, Inc.
Application for a Major Amendment with Renewal to
TPDES Permit No. WQ0013984001
Hammond Mound Wastewater Treatment Plant

Dear Sir/Ms:

Enclosed please find the original and one copy of the Application for a Major Amendment with Renewal to Texas Pollution Discharge Elimination System Permit No. WQ0013984001 for the Hammond Mound Wastewater Treatment Plant in Waller County.

Please contact Shelley Young, P.E. at 281-373-0500 or at syoung@waterengineers.com if there are any questions related to the material presented in the application.

Sincerely,
WATERENGINEERS, INC.

Shelley Young

Shelley Young, P.E.

Encl: As noted

APPLICATION FOR A MAJOR AMENDMENT WITH RENEWAL TO
TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM
PERMIT NO. WQ0013984001

FOR

HAMMOND MOUND
WASTEWATER TREATMENT PLANT

UTILITIES INVESTMENT COMPANY, INC.
P. O. BOX 279
NEW WAVERLY, TEXAS 77358-0279

PREPARED BY:

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A, CYPRESS, TEXAS 77429
TEL: 281-373-0500 FAX: 281-373-1113

JUNE 2025

APPLICATION FOR A MAJOR AMENDMENT WITH RENEWAL TO TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT NO. WQ0013984001

FOR

HAMMOND MOUND

WASTEWATER TREATMENT PLANT

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Attachment TECH.05 Pollutant Analysis of Treated Effluent Lab Results	Technical Report Page 9	7
Attachment TECH.06 Development Schedule	Technical Report Page 20	1A
Attachment TECH.07 Map and List of Facilities within 3 Miles and Service Request Letters	Technical Report Page 20	1B3

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Utilities Investment Company, Inc.

PERMIT NUMBER (If new, leave blank): WQ0013984001

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

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

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: 1584

Check/Money Order Amount: $850.00

Name Printed on Check: WaterEngineers, Inc.

EPAY — Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

☐ Publicly Owned Domestic Wastewater

☒ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

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

☒ Active ☐ Inactive

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

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

d. Check the box next to the appropriate application type

- ☐ New
- ☒ Major Amendment *with* Renewal
- ☐ Major Amendment *without* Renewal
- ☐ Renewal without changes
- ☐ Minor Amendment *with* Renewal
- ☐ Minor Amendment *without* Renewal
- ☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Amend the permit to increase the final phase flow.

f. For existing permits:

Permit Number: WQ00 13984001

EPA I.D. (TPDES only): TX 0117366

Expiration Date: 11/8/2029

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

Utilities Investment Company, Inc.

(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: 600633093

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: Marsh, Shannon

Title: President Credential: Click to enter text.

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

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

N/A

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the

legal documents forming the entity.)

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

CN: Click to enter text.

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

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

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

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

C. Core Data Form

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

Section 4. Application Contact Information (Instructions Page 27)

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

A. Prefix: Ms. Last Name, First Name: Young, Shelley

Title: Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc.

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

Phone No.: 281-373-0500 E-mail Address: syoung@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: Marsh, Shannon

Title: President Credential: Click to enter text.

Organization Name: Utilities Investment Company, Inc.

Mailing Address: P.O. Box 279 City, State, Zip Code: New Waverly, TX 77358

Phone No.: 936-344-8014 E-mail Address: marshwaterman@aol.com

B. Prefix: Ms. Last Name, First Name: Marsh, Tracy

Title: Treasurer Credential: Click to enter text.

Organization Name: Utilities Investment Company, Inc.

Mailing Address: P.O. Box 279 City, State, Zip Code: New Waverly, TX 77358

Phone No.: 936-344-8014 E-mail Address: marshwaterman@aol.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: Marsh, Shannon

Title: President Credential: Click to enter text.

Organization Name: Utilities Investment Company, Inc.

Mailing Address: P.O. Box 279 City, State, Zip Code: New Waverly, TX 77358

Phone No.: 936-344-8014 E-mail Address: marshwaterman@aol.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: Marsh, Shannon

Title: President Credential: Click to enter text.

Organization Name: Utilities Investment Company, Inc.

Mailing Address: P.O. Box 279 City, State, Zip Code: New Waverly, TX 77358

Phone No.: 936-344-8014 E-mail Address: marshwaterman@aol.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Young, Shelley

Title: Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc.

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

Phone No.: 281-373-0500 E-mail Address: syoung@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: Ms. Last Name, First Name: Young, Shelley

Title: Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc.

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

Phone No.: 281-373-0500 E-mail Address: syoung@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: Brookshire-Pattison Public Library

Location within the building: Reference Desk

Physical Address of Building: 3815 6th Street

City: Brookshire County: Waller

Contact (Last Name, First Name): Librarian

Phone No.: 281-375-5550 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** 101720886

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):

Hammond Mound WWTP

C. Owner of treatment facility: Utilities Investment Company, Inc.

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: Utilities Investment Company, Inc.

Mailing Address: P.O. Box 279 City, State, Zip Code: New Waverly, TX 77358

Phone No.: 936-344-8014 E-mail Address: marshwaterman@aol.com

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

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

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

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

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

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

Click to enter text.

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

☒ Yes ☐ No

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

Click to enter text.

City nearest the outfall(s): Brookshire

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

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

☐ Yes ☒ No

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

☐ Authorization granted ☐ Authorization pending

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

Attachment: Click to enter text.

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☐ No

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

N/A-Not a TLAP

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.02-Proof of Payment, ADMIN.03-Core Data Form, ADMIN.04-Summary of Application in Plain Language Template, ADMIN.05-Public Involvement Plan Form, ADMIN.06- Downstream & Adjacent Landowner Map and List, ADMIN.07-Site and Stream Photographs, ADMIN.08 Buffer Zone Map, ADMIN.09 SPIF Form and Maps

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0013984001

Applicant: Utilities Investment Company, Inc.

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): Shannon Marsh

Signatory title: President

Signature: _____ Date: 5/2/25

(Use blue ink)

Subscribed and Sworn to before me by the said Shannon Marsh

on this 2 day of May, 20 25.

My commission expires on the 28 day of October, 20 25.

Sharon Kay Kelley

Notary Public

[SEAL]

Montgomery

County, Texas

SHARON KAY KELLEY
Notary Public, State of Texas
Comm. Expires 10-28-2025
Notary ID 125478883

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: Waller 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

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

APPLICANT IS WORKING WITH ADJACENT LANDOWNER TO PROCURE A RESITRICTIVE EASEMENT

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

☒ Yes ☐ No

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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): 0.099

2-Hr Peak Flow (MGD): 0.396

Estimated construction start date: existing

Estimated waste disposal start date: existing

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): 0.198

2-Hr Peak Flow (MGD): 0.792

Estimated construction start date: Q2 2027

Estimated waste disposal start date: Q2 2028

D. Current Operating Phase

Provide the startup date of the facility: ~3/15/2007

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

Flow enters the conventional activated sludge with nitrification process through a course bar screen into the equalization/anoxic zone; thence to the 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 returned to the equalization/anoxic zone or wasted to the digester. The final phase will add a structure identical to the first phase with flow being split 50%-50% at a flow splitter box.

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)
Equalization/Anoxic Zone	Ph 1 - 1 Final Ph - 2	105 sq. ft. x 10.5' SWD
Aeration Basins 1 & 3	Ph 1 - 2 Final Ph - 4	152 sq. ft. x 10.5' SWD (each)
Aeration Basins 2 & 4	Ph 1 - 2 Final Ph - 4	337 sq. ft. x 10.5' SWD (each)
Clarifier	Ph 1 - 1 Final Ph - 2	22' diam. x 10.5' SWD
Chlorine Contact	Ph 1 - 1 Final Ph - 2	79.5 sq. ft. x 9.8' SWD
Digester	Ph 1 - 2 Final Ph - 4	197.5 sq. ft. x 10.5' SWD (each)

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: 29.881347
- Longitude: -95.983783

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.

Quixote Commercial Park (commercial business park), Casa de Campo Mobile Home Community and other proposed development in the area.

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
Hammond Mound	Utilities Investment Company, Inc.	Privately Owned	~4000
		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: 7/2/2003

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

Summary Transmittal letter for expansion will be submitted prior to construction

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

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.
N/A

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

1. *Acceptance of sludge from other WWTPs*

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 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	<3.0	<3.0	1	Grab	5/8/2025 @ 9:29
Total Suspended Solids, mg/l	5.1	5.1	1	Grab	5/8/2025 @ 9:29
Ammonia Nitrogen, mg/l	13.1	13.1	1	Grab	5/8/2025 @ 9:29
Nitrate Nitrogen, mg/l	0.4	0.4	1	Grab	5/8/2025 @ 9:29
Total Kjeldahl Nitrogen, mg/l	14.6	14.6	1	Grab	5/8/2025 @ 9:29
Sulfate, mg/l	36.1	36.1	1	Grab	5/8/2025 @ 9:29
Chloride, mg/l	94.7	94.7	1	Grab	5/8/2025 @ 9:29
Total Phosphorus, mg/l	4.6	4.6	1	Grab	5/8/2025 @ 9:29
pH, standard units	7.9	7.9	1	Grab	5/5/2025 @ 8:32
Dissolved Oxygen*, mg/l	7.3	7.3	1	Grab	5/5/2025 @ 8:32
Chlorine Residual, mg/l	1.8	1.8	1	Grab	5/5/2025 @ 8:32
E.coli (CFU/100ml) freshwater	9.7	9.7	1	Grab	5/5/2025 @ 8:32
Entercocci (CFU/100ml) saltwater	N/A	N/A			
Total Dissolved Solids, mg/l	508.0	508.0	1	Grab	5/8/2025 @ 9:29
Electrical Conductivity, µmohs/cm, †	N/A	N/A			
Oil & Grease, mg/l	N/A	N/A			
Alkalinity ($CaCO_3$)*, mg/l	234.0	234.0	1	Grab	5/8/2025 @ 9:29

*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: FloWatch, Inc.

Facility Operator's License Classification and Level: C or higher

Facility Operator's License Number: OC0000181

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

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

C. Sewage Sludge or Biosolids Management

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

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Third-Party Handler or Preparer	Not Applicable		N/A: Transported to another facility for further processing	N/A: Trasporrted to another facility for further processing
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

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

D. Disposal site

Disposal site name: Mount Houston Road MUD WWTP

TCEQ permit or registration number: WQ0011154001

County where disposal site is located: Harris

E. Transportation method

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

Name of the hauler: Magna-Flow Environmental

Hauler registration number: 21484

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

B. Sludge processing authorization

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

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

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

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

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

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

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

Click to enter text.

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

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

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

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: Shannon Marsh

Title: President

Signature: _____

Date: 5/2/25

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.

Utilities Investment Company, Inc. (UIC) currently serves the Quixote Commercial Park and the Casa de Campo Mobile Home Community. Both are continuing to grow. Other developers in the area have reached out to UIC about the possibility of serving proposed new developments in the area.

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.07

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.07

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: N/A

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☒ Yes ☐ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): 0.198 mgd

Average Influent Organic Strength or BOD_5 Concentration in mg/l: 300

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): 495.4

Provide the source of the average organic strength or BOD_5 concentration.

Industry standard

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	0.099 / 0.198	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	0.099 / 0.198	
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: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

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: N/A

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: E. Coli: 126 mpn/100 ml

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 1-4 mg/l after minimum 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 48473C0350E

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 it 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: To an unnamed tributary of Bessie's Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

☒ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☐ Other, specify: Click to enter text.

B. Flow characteristics

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

☐ Intermittent - dry for at least one week during most years

☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☒ Perennial - normally flowing

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

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Bessie's Creek

D. Downstream characteristics

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

☐ Yes ☒ No

If yes, discuss how.

Click to enter text.

E. Normal dry weather characteristics

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

Stream is slightly turbid, surrounded by natural grasses, trees and foliage. The stream has some areas with large pools and other areas that barely have water coverage.

Date and time of observation: May 1, 2025 @ 11:40 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.

- ☐ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☒ Other(s), specify: unknown

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

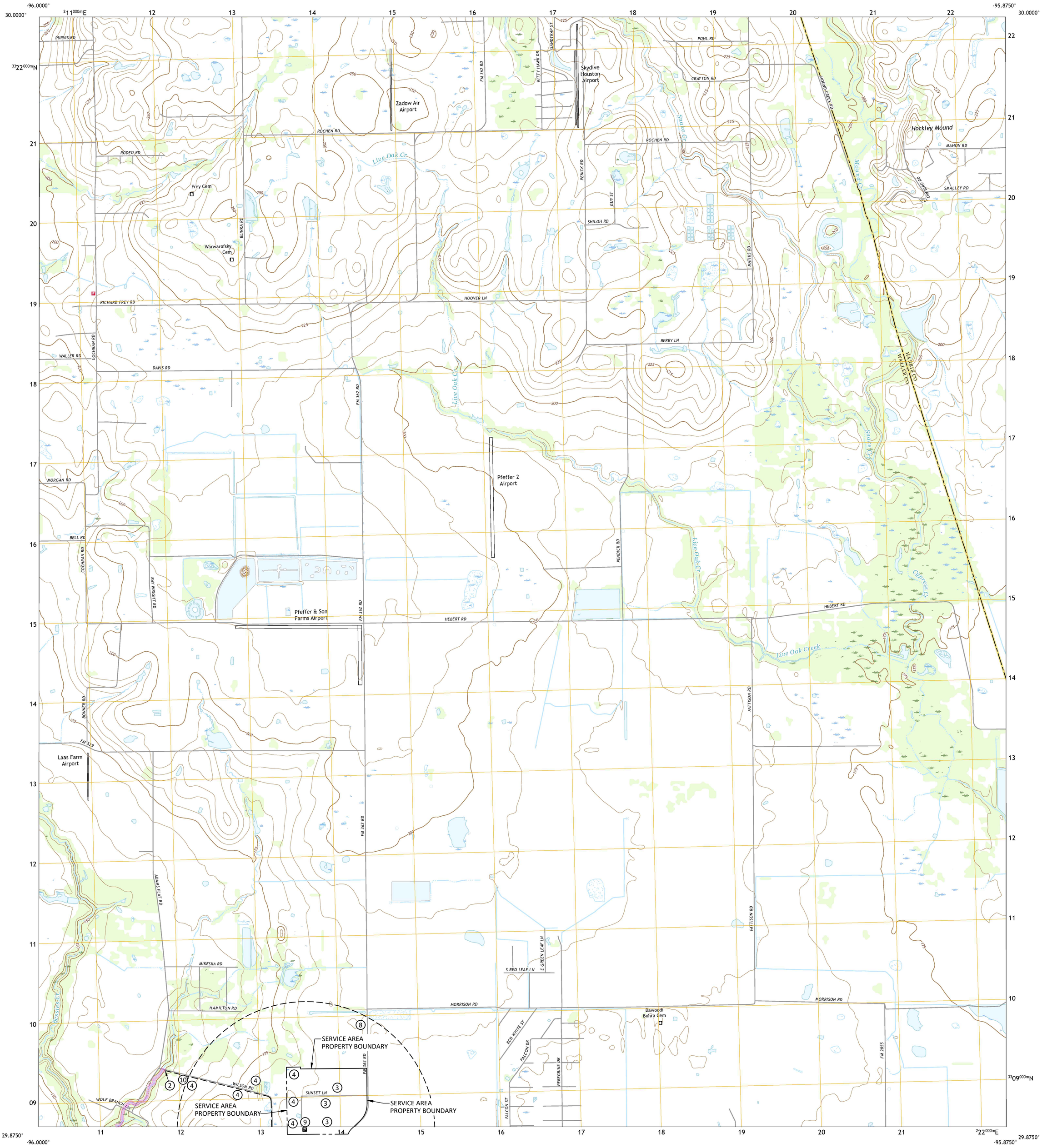
USGS Topographic Map

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

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

The National Map US Topo

HOCKLEY MOUND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R\15R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
2°42'
48 MILS
1°28'
26 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid	
100,000 - m Square ID	
QU	TP
96°W	
Grid Zone Designation	
14R	15R
96°W	

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hempstead
2 Waller
3 Hockley
4 Sunny Side
5 Warren Lake
6 San Felipe
7 Brookshire
8 Katy
ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

HOCKLEY MOUND, TX 2022

LEGEND

1. APPLICANT'S WASTEWATER TREATMENT PLANT
2. POINT OF DISCHARGE
3. COMMERCIAL DEVELOPMENT
4. HOUSING DEVELOPMENT
5. INDUSTRIAL SITE
6. PARK
7. SCHOOLS
8. RECREATIONAL AREA
9. PUBLIC WATER WELL
10. EXISTING WWTP (OWNED BY OTHERS)

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

UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

USGS TOPOGRAPHIC MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	ADMIN.01-1
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

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

The National Map US Topo

BROOKSHIRE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

SERVICE AREA PROPERTY BOUNDARY

APPLICANT/ WWTP PROPERTY BOUNDARY

Sport Flyers Airport

Houston Executive Airport

Pattison

Brookshire

Cardiff

Johnsue

KATY

Pattison Cem
Wipitz Cem
Pattison Methodist Cem
Brookshire Memorial Oaks Cem
Brookshire Cem
Tilly Family Cem

Bessies Cr
Bell Bottom Cr
Bessies Bayou
Bessies Creek
Kellner Cr
Snake Cr
Willow Fork
Bell Bottom Cr
Brookshire Cr

BEARDEN RD
FM 362
FM 529
ADAMS FLAT RD
LOMAX RD
SCHUMACHER RD
WHIT WILLIAMS RD
FM 359 RD
PONTIAC RD
CLAPP RD
STERLING RD
FM 1458 RD
NORTH ST
AVE H
AVE G
AVE F
AVE J
4TH ST
ROYAL RD
WILPITZ RD
STENZEL RD
BLUE JAY WAY
RED BIRD LN
DULKIN RD
MC GREGGR LN
WIND SOCK RD
SPORT FLYERS LN
STOCKDICK RD
GASSNER LN
NEUMAN RD
PRAIRIE GRASS LN
MORTON RD
CARDIFF RD
FM 2855
BECKENDORFF RD
GOYNES RD
MARTI RD
STALLKNECHT RD
GARVIE RD
ROLINS
KELLNER RD
GASSNER RD
STELLA RD
1ST ST
2ND ST
2ND 1/2 ST
4TH ST
DEPOT ST
5TH ST
6TH ST
7TH ST
SOUTH ST
COOPER ST
WALLER AVE
KENNEY ST
OTTO ST
BAINS ST
VELASCO ST
KODMEY RD
HERON DR
MCALLISTER RD
DONIGAN RD
COOPER RD
KATY FWY
11TH ST
12TH ST
13TH ST
CRYSTAL LAKES DR
LAKE VIEW CIR W
LAKE SIDE DR
HOVAS
BAINS LN
RHEMAN CUTOFF RD
FM 1489 RD
FM 1489
WOODS RD
IGLOO RD
BROOKLINE RD
PEDERSON RD
KINGSLAND BLVD
SHELL PLANT RD
REMINGTON PARK
REMINGTON TRL
WINDING CANYON
TETERSON RD
WALLER CO
FORT BEND CO

29.8750°
-96.0000°
-95.8750°
29.7500°
$^{2}11^{000m}$E
$^{2}21^{000m}$E
$^{33}08^{000m}$N
$^{32}95^{000m}$N
TP 00 TN

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 14R\15R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2019 - 2021

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U.S. National Grid
100,000-m Square ID
QU TP
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Grid Zone Designation
14R 15R
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SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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TEXAS
QUADRANGLE LOCATION

1 Sunny Side
2 Hockley Mound
3 Warren Lake
4 San Felipe
5 Katy
6 Wallis
7 Fulshear
8 Richmond NE
ADJOINING QUADRANGLES

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

BROOKSHIRE, TX 2022

LEGEND

1. APPLICANT'S WASTEWATER TREATMENT PLANT
2. POINT OF DISCHARGE
3. COMMERCIAL DEVELOPMENT
4. HOUSING DEVELOPMENT
5. INDUSTRIAL SITE
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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

USGS TOPOGRAPHIC MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.01-2**
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

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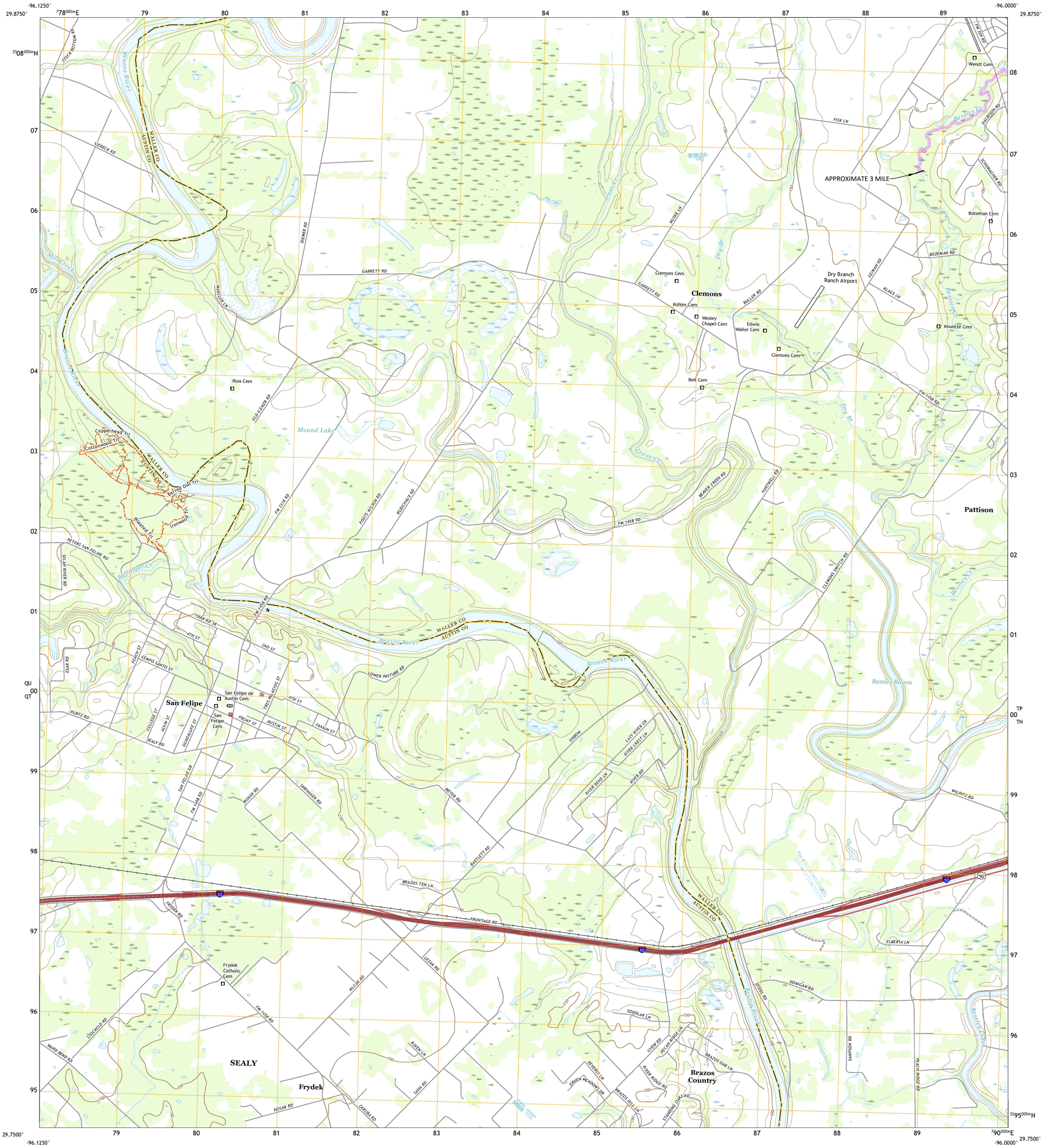
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

SAN FELIPE QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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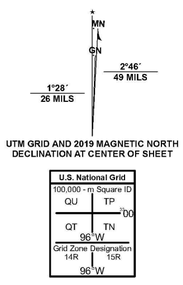
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
QU | TP
QT | TN
96°W
Grid Zone Designation
14R | 15R
96°W

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

ADJOINING QUADRANGLES

1 Burleigh
2 Sunny Side
3 Hockley Mound
4 Sealy
5 Brookshire
6 Rexville
7 Wallis
8 Fulshear

ROAD CLASSIFICATION

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

SAN FELIPE, TX 2022

LEGEND

1. APPLICANT'S WASTEWATER TREATMENT PLANT
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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

USGS TOPOGRAPHIC MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	ADMIN.01-3
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

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ATTACHMENT ADMIN.02

Proof of Payment

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

ATTACHMENT ADMIN.03

Core Data Form

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

TCEQ Core Data Form

TCEQ Use Only

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

SECTION I: General Information

1. Reason for Submission *(If other is checked please describe in space provided.)*

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☒ Other **TPDES Amendment**

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600633093		RN 101720886

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy)

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)* *If new Customer, enter previous Customer below:*

Utilities Investment Company, Inc.

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
0142230500	30119052162		

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees ☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated? ☒ Yes ☐ No

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following:*

☒ Owner ☐ Operator ☐ Owner & Operator

☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address: P.O. Box 279

City	State	ZIP	ZIP + 4
New Waverly	TX	77358	0279

16. Country Mailing Information *(if outside USA)*

17. E-Mail Address *(if applicable)*

marshwaterman@aol.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(936) 344-8014		(936) 344-9838

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Hammond Mound Wastewater Treatment Plant

23. Street Address of the Regulated Entity: *(No PO Boxes)*	34699 Sunset Lane							
	City	Brookshire	**State**	TX	**ZIP**	77423	**ZIP + 4**	
24. County	Waller							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**
Brookshire			TX		77423
27. Latitude (N) In Decimal:	29.874678		**28. Longitude (W) In Decimal:**	95.965617	
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.)*

providing wastewater services to Quixote Commercial Park and Casa de Campo MHP

34. Mailing Address:	**P.O. Box 279**							
	City	**New Waverly**	**State**	**TX**	**ZIP**	**77358**	**ZIP + 4**	**279**

35. E-Mail Address:	**marshwaterman@aol.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(936) 344-8017		**(936) 344-9838**

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	WQ0013984001			

SECTION IV: Preparer Information

40. Name:	Shelley Young, P.E.	**41. Title:**	Engineer

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(281) 373-0500		(281) 373-1113	syoung@waterengineers.com

SECTION V: Authorized Signature

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

Company:	WaterEngineers, Inc.	**Job Title:**	Project Engineer
Name*(In Print)* **:**	Shelley Young, P.E.	**Phone:**	(281) 373- 0500
Signature:	Shelley Young	**Date:**	5/21/2025

ATTACHMENT ADMIN.04

Plain Language Summary

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

Fill in the 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.

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
Enter 'INDUSTRIAL' or 'DOMESTIC' here 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.

Utilities Investment Company, Inc. (CN600633093) operates Hammond Mound Wastewater Treatment Plant (RN101720886), an activated sludge process with nitrification operated in the complete mix mode. The facility is located at 34699 Sunset Lane, in Brookshire, Waller County, Texas 77423. This application for a major amendment application to discharge a daily average flow of 198,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units will include a screening facility, equalization basins/anoxic zones, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

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

AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí **/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.

Utilities Investment Company, Inc. (CN600633093) opera la Planta de Tratamiento de Aguas Residuales de Hammond Mound (RN 101720886), un proceso de lodos activados con nitrificación operado en el modo de mezcla completa. La instalación está ubicada en 34699 Sunset Lane, en Brookshire, Condado de Waller, Texas 77423. Esta solicitud es para una enmienda importante aplicación para descargar a un flujo promedio diario de 198,000 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 ($CBOD_5$), solidos totalmente suspendidos (TSS), nitrógeno amoniacal (NH_3-N), y *Escherichia coli.* Los contaminantes potenciales adicionales se incluyen en el Informe Técnico Domésticas 1.0, Seccion 7 Análisis de Contaminantes de Efluente Tratado en el paquete de solicitud de permisos.. Las aguas residuales domésticas. está tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, cuenca de ecualización/zona anóxica, balsas de aireación, clarificadores finales, digestores de lodos, y cámaras de contacto.

ATTACHMENT ADMIN.05

Public Involvement Plan

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

WQ0013984001
Utilties Investment Company, Inc.
Hammond Mound WWTP

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, a Public Involvement Plan is not necessary. Completion of the remaining sections not required.

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 of the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2.

☒ Public Involvement Plan not applicable to this application. Provide **brief** explanation.
The area affected by this permit action is not environmentally highly sensitive and, to the best of my knowledge, not been part of any other contested permit action.

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
☐ Radioactive Materials Licensing ☐ Underground Injection Controls

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

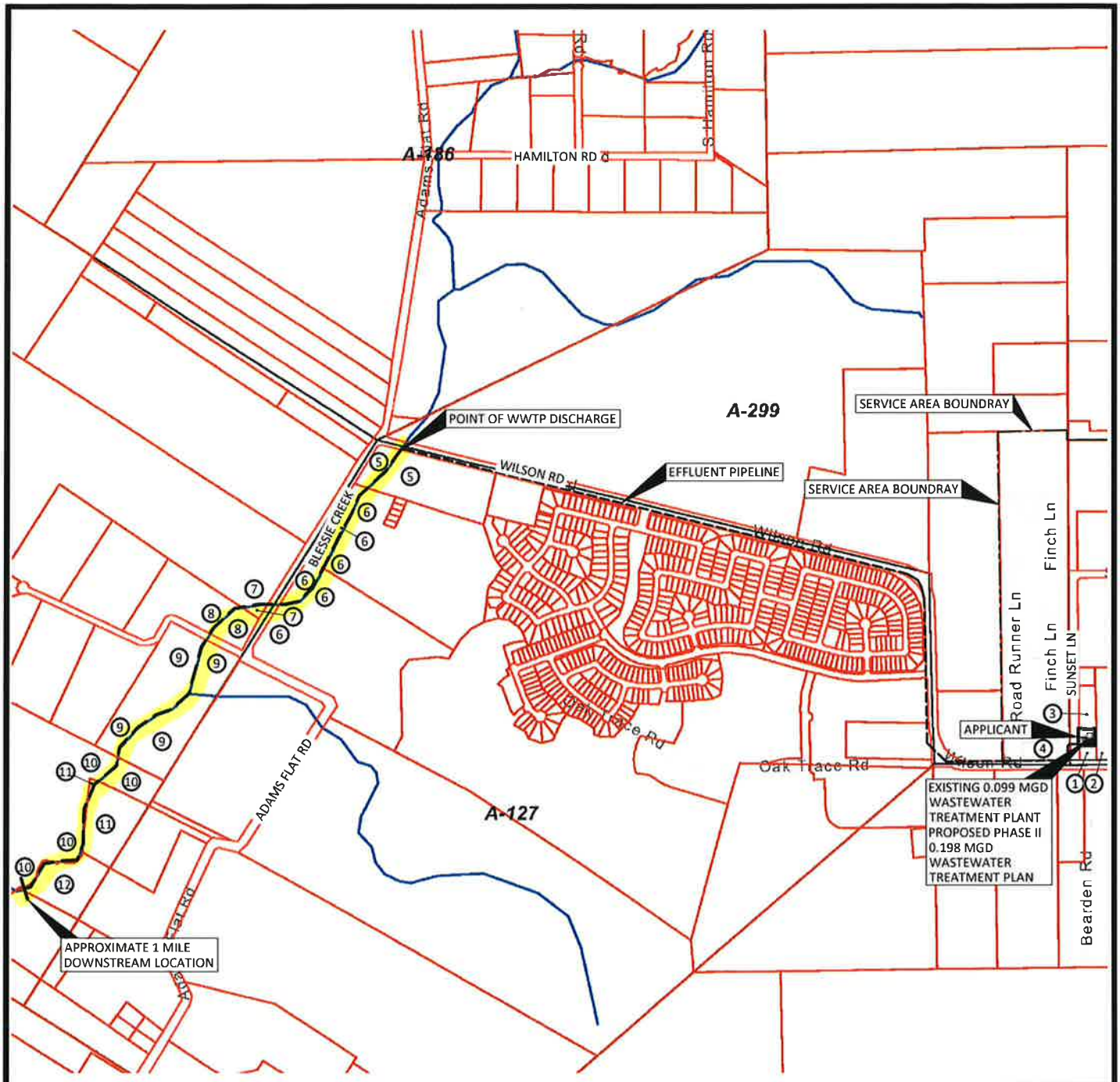
☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

ATTACHMENT ADMIN.06

Affected Landowners Map and Table

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



DETAIL

LEGEND

① DENOTES LANDOWNER
SEE ATTACHED TABLE FOR LANDOWNERS

N

0 600 1200

SCALE:1" = 600'-0" (24"x36")
1" = 1200'-0" (11"x17" 8.5"x11")

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

UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

DOWNSTREAM & ADJACENT LANDOWNERS MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.06**
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

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TABLE "ADMIN.06"

UTILITIES INVESTMENT COMPANY, INC.
Hammond Mound
Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table
Source: Waller County Appraisal District

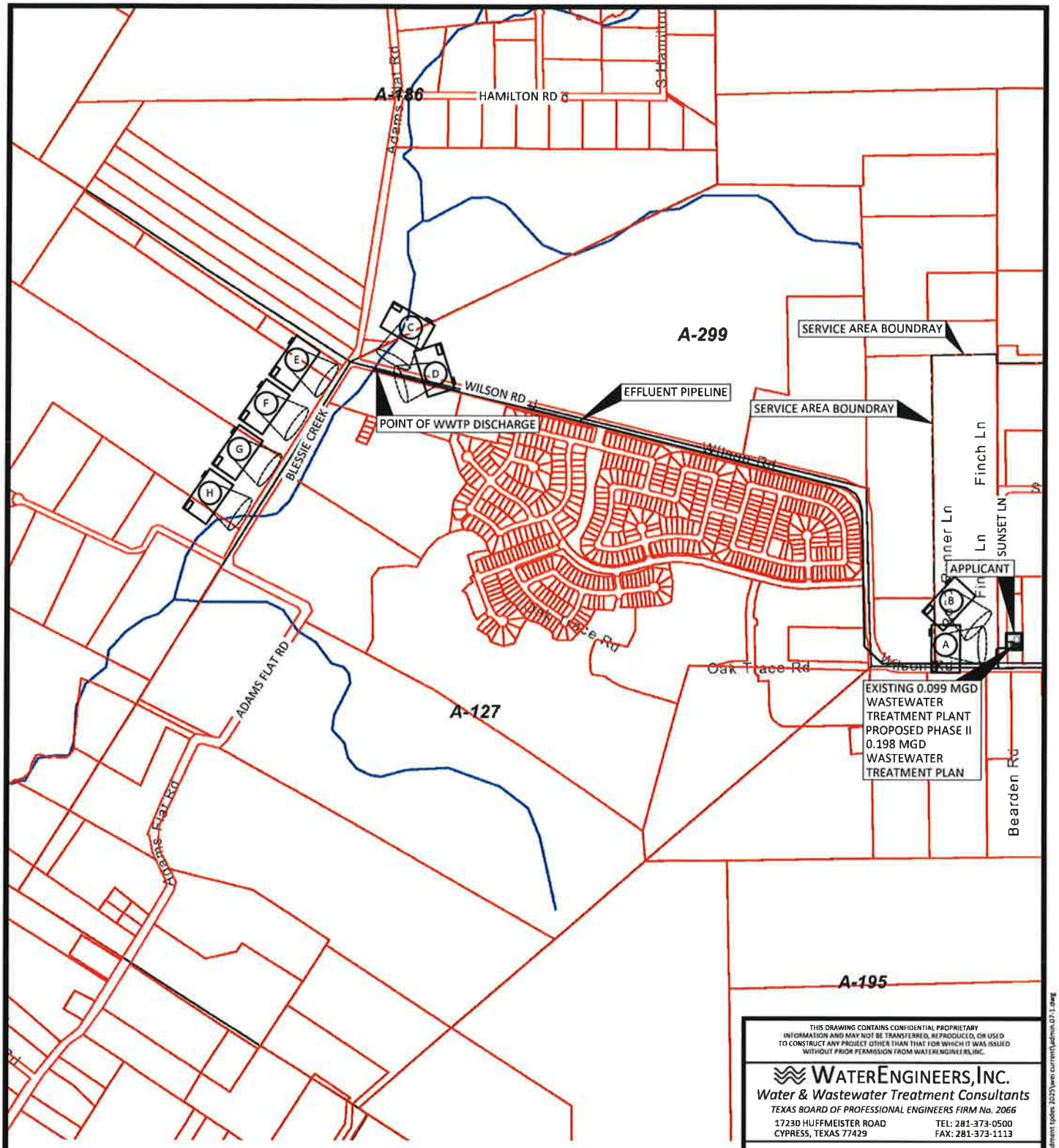
Tract No. (See Attachment "ADMIN.06" Map)	Title Owner & Address
1	RAYMOND HICKS 6403 VIRGINIA FIELDS DRIVE KATY TX 77494
2	LEX HOUSTON II LP 12400 COIT ROAD SUITE 1270 DALLAS TX 75251
3	KATHARINE MONCADA 19218 CLEVERA WALK LANE HOUSTON TX 77084
4	CHE COMMUNITY LLC 9121 ELIZABETH ROAD SUITE 108 HOUSTON TX 77055
5	BRENT & JULIE WATTS 28926 DEWBERRY ARBOR CT KATY TX 77494
6	BLLUESTEM DEVELOPMENT COMPANY LLC 1401 WOODLANDS PARKWAY THE WOODLANDS TX 77380
7	HARVEY & LYNETTE LAAS 9870 FM 359 BROOKSHIRE TX 77423
8	JAKE & CATRIONA CULLUM 7200 ADAMS FLAT ROAD BROOKSHIRE TX 77423
9	KATHY MILLS & EDWINA GARRETT 3485 EULA MORGAN ROAD KATY TX 77493
10	S & H PROPERTY HOLDINGS LLC 3119 WELLSPRING LAKE DRIVE FULSHEAR TX 77441
11	MARGARITO & ARIANA PALACIOS 4772 HUBBARD BROOKSHIRE TX 77423

12	KENNETH & DARLA HOLDER 6553 ADAMS FLAT ROAD BROOKSHIRE TX 77423

ATTACHMENT ADMIN.07

Photographs

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



LEGEND

A — DENOTES LOCATION FROM WHICH PHOTOGRAPHS WERE TAKEN
SEE ATTACHMENT ADMIN.05-2 FOR SITE PHOTOGRAPHS

PROPOSED SERVICE AREA BOUNDARY
& APPLICANT PROPERTY BOUNDARY

N

0 400 800

SCALE:1" = 400'-0" (24"x36")
1" = 800'-0" (11"x17" 8.5"x11")

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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

SITE PICTURE LOCATION MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.07-1**
SCALE: AS NOTED	
DATE: 6/4/2025	
JOB No.: 3803-25037	

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AREA TO THE WEST OF EXISTING WASTEWATER TREATMENT PLANT WHERE FINAL PHASE PLANT TO BE BUILT

EXISTING WASTEWATER TREATMENT PLANT SITE LOOKING SOUTHEAST

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

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FAX: 281-373-1113

UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

SITE PHOTOGRAPHS

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.07-2**
SCALE: AS NOTED	
DATE: 6/4/2025	
JOB No.: 3803-25037	

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POINT OF DISCHARGE
INTO UNNAMED TRIBUTARY TO BESSIES CREEK

DOWNSTREAM OF POINT OF DISCHARGE
INTO UNNAMED TRIBUTARY TO BESSIES CREEK

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

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UTILITIES INVESTMENT COMPANY
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SITE PHOTOGRAPHS

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.07-3**
SCALE: AS NOTED	
DATE: 6/4/2025	
JOB No.: 3803-25037	

UPSTREAM FROM POINT OF DISCHARGE

DOWNSTREAM FROM POINT OF DISCHARGE

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

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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

SITE PHOTOGRAPHS

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.07-4**
SCALE: AS NOTED	
DATE: 6/4/2025	
JOB No.: 3803-25037	

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592' DOWNSTREAM FROM POINT OF DISCHARGE

787' DOWNSTREAM FROM POINT OF DISCHARGE

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

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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

SITE PHOTOGRAPHS

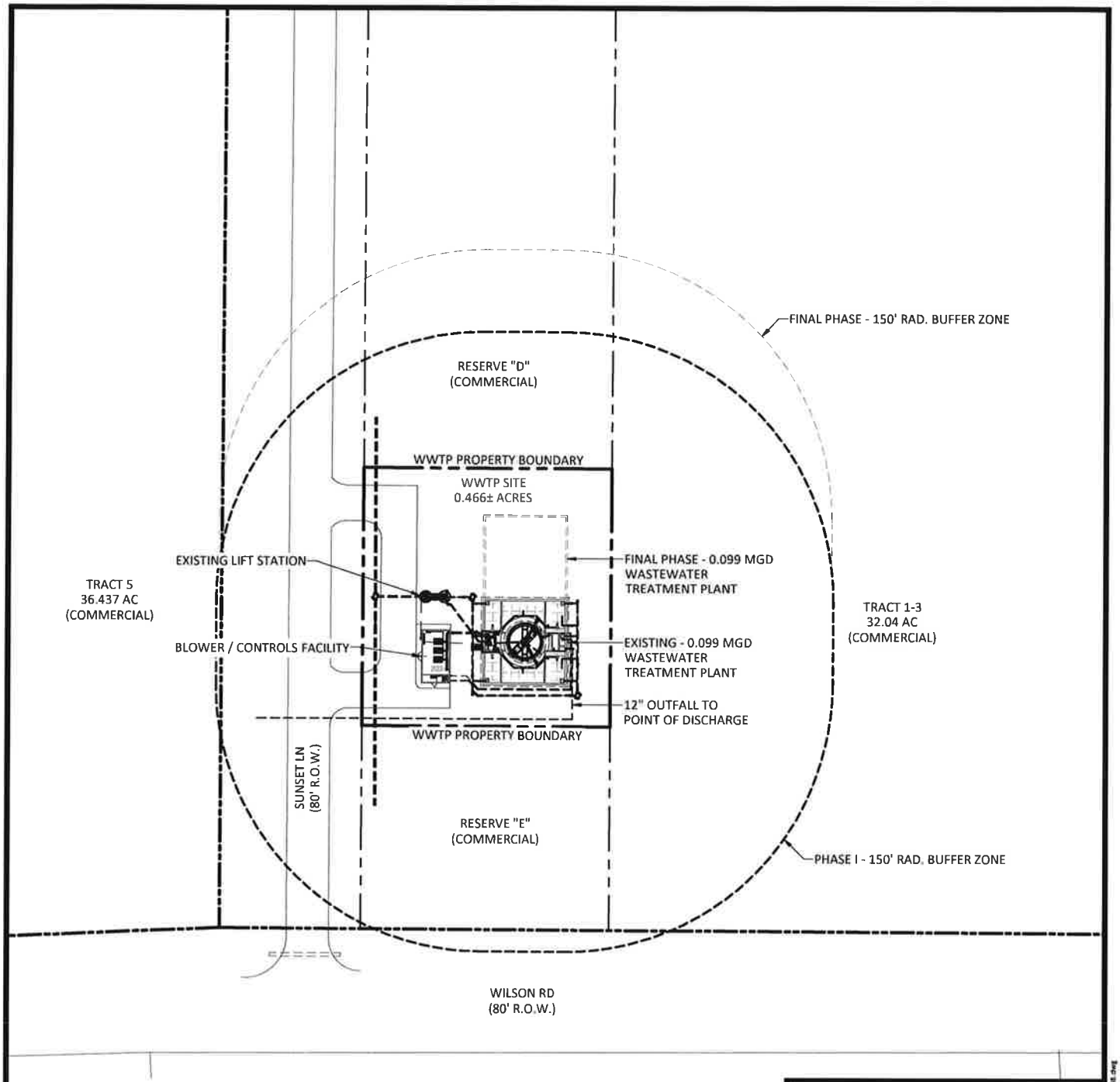
DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.07-5**
SCALE: AS NOTED	
DATE: 6/4/2025	
JOB No.: 3803-25037	

\\server\wei cad\current jobs\3803-25037 hammond mound major amendment tpdes 2025\wei current\admin 07-2.dwg

ATTACHMENT ADMIN.08

Buffer Zone Map

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



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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

BUFFER ZONE MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.08**
SCALE: AS NOTED	
DATE: 5/29/2025	
JOB No.: 3803-25037	

0 40 80
SCALE:1" = 40'-0" (24"x36")
1" = 80'-0" (11"x17" & 5"x11")

\\waterengineers.com\current jobs\3803-25037 hammond mound major amendment (jobs 3025)\wet current\admin.08.dwg

ATTACHMENT ADMIN.09

Supplemental Permit Information Form and USGS Map

(Reference Administrative Report 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: Utilities Investment Company, Inc.

   Permit No. WQ00 13984001 EPA ID No. TX 0117366

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

   34699 Sunset Lane, Brookshire, Waller County, TX 77423

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

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

First and Last Name: Shelley Young

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

Title: Engineer

Mailing Address: 17230 Huffmeister Road, Suite A

City, State, Zip Code: Cypress, TX 77429

Phone No.: 281-373-0500 Ext.: Click here to enter text. Fax No.: 281-373-1113

E-mail Address: syoung@waterengineers.com

2. List the county in which the facility is located: Waller
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 plant site to an unnamed tributary; thence to Bessies Creek; thence to Brazos River Below Navasota River in Segment No. 1202 of the Brazos River Basin.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

The plant site will encompass approximately 1.0 acre. Excavation is not expected to be more than 10-12'.

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

Land is currently used as a wastewater treatment plant site.

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 Phase I plant was built in 2007.

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

Before the wastewater treatment plant was built the property was vacant.

USGS science for a changing world

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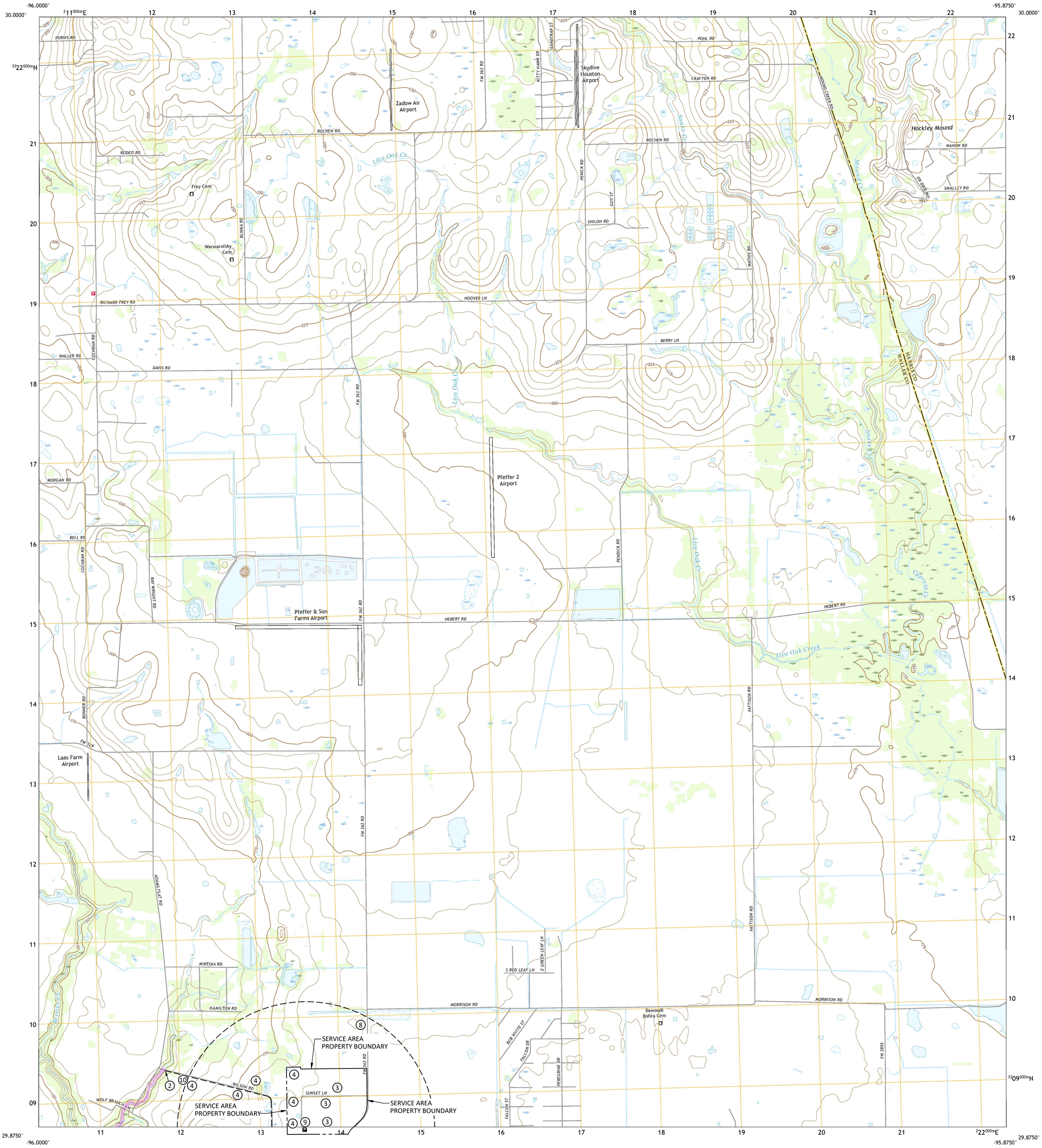
The National Map US Topo

HOCKLEY MOUND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R\15R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid	
100,000 - m Square ID	
QU	TP
96°W	
Grid Zone Designation	
14R	15R
96°W	

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hempstead
2 Waller
3 Hockley
4 Sunny Side
5 Warren Lake
6 San Felipe
7 Brookshire
8 Katy

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

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

HOCKLEY MOUND, TX
2022

WATERENGINEERS, INC.
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TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

USGS TOPOGRAPHIC MAP

LEGEND
(1) APPLICANT'S WASTEWATER TREATMENT PLANT
(2) POINT OF DISCHARGE

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	ADMIN.09-1
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

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

The National Map US Topo

BROOKSHIRE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

SERVICE AREA PROPERTY BOUNDARY

APPLICANT/ WWTP PROPERTY BOUNDARY

Sport Flyers Airport

Houston Executive Airport

Pattison

Brookshire

Cardiff

Johnsue

KATY

Pattison Cem
Wipitz Cem
Pattison Methodist Cem
Brookshire Memorial Oaks Cem
Brookshire Cem
Tilly Family Cem

Bessies Cr
Bell Bottom Cr
Bessies Bayou
Kellner Cr
Bessies Creek
Brookshire Cr
Snake Cr
Willow Fork

FM 529
BEARDEN RD
FM 362
BECKENDORFF RD
FM 2855
LOMAX RD
SCHUMACHER RD
WHIT WILLIAMS RD
ADAMS FLAT RD
FM 359 RD
CLAFP RD
STERLING RD
FM 1458 RD
NORTH ST
AVE H
AVE G
AVE F
4TH ST
AVE J
ROYAL RD
WILPITZ RD
STENZEL RD
BLUE JAY WAY
RED BIRD LN
PONTIAC RD
MC GREGGR LN
STOCKDICK RD
WIND SOCK RD
SPORT FLYERS LN
GASSNER LN
NEUMAN RD
PRAIRIE GRASS LN
MORTON RD
ELKINS RD
CARDIFF RD
GOYNES RD
MARTI RD
STALLNNECHT RD
SHELL PLANT RD
REMINGTON PARK
REMINGTON TRL
WINDING CANYON
GARVIE RD
ROLINS
KELLNER RD
GASSNER RD
STELLA RD
1ST ST
2ND 1/2 ST
2ND ST
4TH ST
DEPOT ST
WALLER AVE
COOPER ST
KENNEY ST
FM 359
MCALLISTER RD
5TH ST
6TH ST
7TH ST
SOUTH ST
BAINS ST
OTTO ST
VELASCO ST
HEROD DR
KOOMEY RD
DONIGAN RD
COOPER RD
KATY FWY
11TH ST
12TH ST
13TH ST
CRYSTAL LAKES DR
LAKE VIEW CIR W
LAKE SIDE DR
HOVAS
BAINS LN
RHEMAN CUTOFF RD
FM 1489 RD
IGLOO RD
KINGSLAND BLVD
BROOKLINE RD
PEDERSON RD
WOODS RD
FETESCH RD
WALLER CO
FORT BEND CO

-96.0000° 29.8750°
-95.8750° 29.8750°
29.7500° -96.0000°
29.7500° -95.8750°
$^{2}11^{000m}$E
$^{2}21^{000m}$E
$^{3}3\,08^{000m}$N
$^{3}2\,95^{000m}$N
TP 00 TN

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R\15R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2010
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
2°42' 48 MILS
1°28' 26 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
QU TP
QT TN
96°W
Grid Zone Designation
14R 15R
96°W

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 5 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
ADJOINING QUADRANGLES

1 Sunny Side
2 Hockley Mound
3 Warren Lake
4 San Felipe
5 Katy
6 Wallis
7 Fulshear
8 Richmond NE

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

BROOKSHIRE, TX
2022

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USGS TOPOGRAPHIC MAP

LEGEND
1 APPLICANT'S WASTEWATER TREATMENT PLANT
2 POINT OF DISCHARGE

DRAWN BY: BIR
APPROVED BY: SBY
SCALE: AS NOTED
DATE: 5/27/2025
JOB No.: 3803-25037
DWG. NO.: **SPIF.01-2**

\\server\wei cad\current jobs\3803-25037 hammond mound major amendment tpdes 2025\wei current\admin.01 - admin.09.dwg

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

The National Map US Topo

SAN FELIPE QUADRANGLE
TEXAS
7.5-MINUTE SERIES

-96.1250° 778000mE 79 80 81 82 83 84 85 86 87 88 89 -96.0000°
29.8750° 3308000mN 29.7500°

Brazos River
Milk Creek
Big Hinger Cr
Mound Lake
Irons Cr
Dry Br
Bessies Cr
Bessies Bayou
Brazos River
Brazos River

STECK BOTTOM RD
VIERECK RD
WALLER CO
AUSTIN CO
DIEMER RD
MUELLER LN
GARRETT RD
Ross Cem
GLD CEMER RD
Copperhead Trl
Cottonwood Trl
Barred Owl Trl
Ironwood Trl
Bleated Trl
FM 3318 RD
FOOTS WILSON RD
REBICHAUX RD
PETERS SAN FELIPE RD
SELAH RIVER RD
FARK RD 38
4TH ST
2ND ST
FEACH ST
CEMPO SANTO ST
ESAR RD
FM 1458 RD
LOWER PASTURE RD
San Felipe
San Felipe de Austin Cem
San Felipe Cem
TRES PALACIOS ST
6TH ST
FRONT ST
AUSTIN ST
TANNIN ST
COLLEGE ST
ALVIN ST
GUADALUPE ST
SEALY RD
KURTZ RD
SAN FELIPE DR
FM 1458 RD
MANAR RD
SKRIVANEK RD
MEYER RD
BARTLETT RD
BRAZOS TEN LN
FRONTAGE RD
FRYDEK RD
Frydek Catholic Cem
KLCAK RD
LEZAK RD
FM 1458 RD
STOCKLD RD
WARD BEND RD
SEALY
Frydek
BLAVEN LN
SKHA RD
HOSAK RD
ZARUBA RD
OXBOW
LAZY RIVER DR
RIVER CREST LN
RIVER BEND LN
RIVER RD
WALLER CO
AUSTIN CO
SEIDEL RD
SODOLAK LN
CHEW RD
PECAN RIDGE LN
BRAZOS OAK LN
RIVER RIDGE RD
BEVERLY LN
GREEN MEADOWS DR
BRAZOS HILL LN
STANDING OAKS RD
Brazos Country
SAMPSON RD
PEACH RIDGE RD
WILPITZ RD
ELBERTA LN
DONIGAN RD
FISK LN
MUSKE LN
Clemons Cem
Clemons
Kohler Cem
Wesley Chapel Cem
Edwin Waller Cem
Clemons Cem
Dry Branch Ranch Airport
BULLER RD
NEWMAN RD
KLAUS LN
BOZEMAN RD
Bozeman Cem
Kountze Cem
Wendt Cem
FM 359 RD
HALBUSON RD
SCHUMACHER RD
APPROXIMATE 3 MILE
Bell Cem
FM 1458 RD
BEAVER CREEK RD
HARTWELL RD
Pattison
CLEMONS SWITCH RD
Bessies Cr
Bessies Creek
Brazos River

-96.1250° 29.7500° 79 80 81 82 83 84 85 86 87 88 89 7900000mE -96.0000° 29.7500°
QU 00 QT
TP 00 TN
99 98 97 96 95 3295000mN

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
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1 000-meter grid:Universal Transverse Mercator, Zone 14R

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Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021

Wetlands.....FWS National Wetlands Inventory Not Available

MN
GN
2°46′ 49 MILS
1°28′ 26 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000 - m Square ID
QU TP
QT TN
96°W
Grid Zone Designation
14R 15R
96°W

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Burleigh
2 Sunny Side
3 Hockley Mound
4 Sealy
5 Brookshire
6 Rexville
7 Wallis
8 Fulshear
ADJOINING QUADRANGLES

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

SAN FELIPE, TX
2022

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

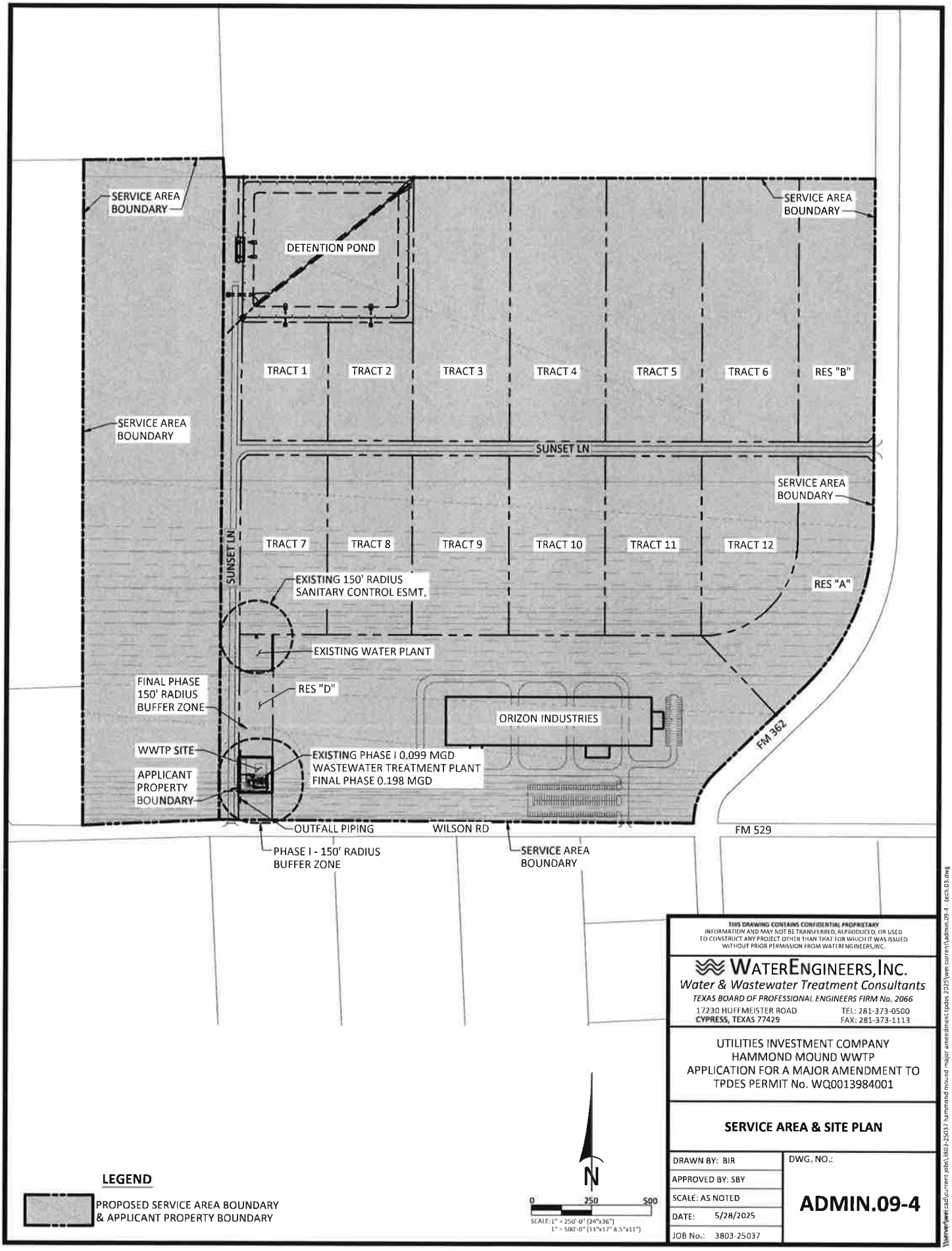
UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

USGS TOPOGRAPHIC MAP

LEGEND
1 APPLICANT'S WASTEWATER TREATMENT PLANT
2 POINT OF DISCHARGE

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.09-3**
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

\\server\wei cad\current jobs\3803-25037 hammond mound major amendment tpdes 2025\wei current\admin.01 - admin.09.dwg



LEGEND

PROPOSED SERVICE AREA BOUNDARY & APPLICANT PROPERTY BOUNDARY

N

0 250 500

SCALE: 1" = 250'-0" (24"x36")
1" = 500'-0" (11"x17" & 8.5"x11")

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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

SERVICE AREA & SITE PLAN

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**ADMIN.09-4**
SCALE: AS NOTED	
DATE: 5/28/2025	
JOB No.: 3803-25037	

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ATTACHMENT TECH.01

Design & Loading Criteria Table

And Design Features for Reliability

(Reference Technical Report Page 2, Question 2b

And Page 22, Question 4)

TECH.01-1

DESIGN & LOADING CRITERIA
HAMMOND MOUND WWTP
PHASE I - 99,0000 GPD CAPACITY (4Q)
FINAL PHASE - 198,000 GPD CAPACITY (4Q)

Parameter	WWTP # 1 Value	WWTP # 2 Value	Composite Value
INFLUENT CONDITIONS			
% of Flow to Each Plant	50.0%	50.0%	
Average Daily Flow, mgd	0.099	0.099	0.198
Ratio Average/Peak Flow	4.00	4.00	4.00
Peak 2-Hour Flow, mgd	0.396	0.396	0.792
BOD, mg/l	300	300	300
BOD, lb/day	248	248	495
TREATMENT UNITS			
Tank Wall Height, ft	12	12	12
Tank Freeboard, ft	1.5	1.5	1.5
Side Water Depth, ft	10.5	10.5	10.5
ACTIVATED SLUDGE PLANT			
Anoxic/Selector Zone			
Design Detention, hrs	2	2	2
Required Volume, cu ft	1,103	1,103	2206
Required Volume, Gallons	8,250	8,250	16500
Anoxic Basin Depth, ft	10.5	10.5	
Required Anoxic Basin Surface Area, sq ft	105	105	210
Actual Anoxic Basin Surface Area, sq ft	105	372	477
Actual Anoxic Basin Volume, cu ft	1,103	3,906	5,009
Detention, hours	2.00	7.08	4.54
Air Supply, scfm/1000 cu ft	20	20	
Air Supply, scfm	22	78	100
Aeration Basin Oxic Zones			
Aeration Basin Loading, lb BOD/1000 cu ft	30	30	30
Aeration Basin Volume, cu ft	8,257	8,257	16,513
Aeration Basin Depth, ft	10.25	10.25	10.25
Req'd Aeration Basin Surface Area, sq ft	806	806	1,611
Actual Aeration Basin Surface Area, sq ft	978	978	1,956
Actual Aeration Basin Volume, cu ft	10,025	10,025	20,049
Total Aerated Volume (Anoxic + Aerobic), cu ft	11,127	13,931	25,058
Aeration Basin Loading, # BOD/1000 cf	22.3	17.8	
Detention, hours	20.18	25.26	
O2 Req'd @ 2.2, # O2/lb BOD	545	545	
Correction Factor for Fine Bubble	0.45	0.45	
Air Diffuser Submergence, ft	9.50	9.50	
Air Diffuser Efficiency, %/ ft sub	0.017	0.017	
Air Diffuser eff., %	16.2%	16.2%	
Required Aeration Basin Air Flow Rate, scfm	280	224	
Mixed Liquor Temperature, deg C	30	30	
Air Supply Temperature Correction Factor	1.268	1.268	
Corrected Air Supply Rate, scfm	355	284	638
No. of Tube Diffuser Membranes (36.4" long)	86	86	172
Active membrane surface area/diffuser, sq ft	2.54	2.54	
Diffuser air flow, scfm/SF of membrane	1.62	1.30	
Air Supply, scfm/1000 cf	28	27	
R.S. Airlift Air, scfm	16	16	32
Skimmer Airlift Air, scfm	5	5	10
Clarifier			
Selected Internal Diameter, ft	22	22	
Side Water Depth, ft	10.35	10.35	
Total Area sq ft	380	380	760
Total Volume, cu ft	3,934	3,934	7,869
Avg. SOR, gpd/sq ft	260	260	260
Peak SOR, gpd/sq ft	1,042	1,042	1,042
Avg. Detention, hr	7.1	7.1	7.1
Peak Detention, hr	1.8	1.8	1.8
Max Qr @ 400 mgd/sf, mgd	0.152	0.152	0.304
Max Qp + Qr, mgd	0.548	0.548	1.096
CHLORINATION			
Min. Detention, min.	20	20	
Side Water Depth, ft	8.83	8.83	
Minimum Volume, cu ft	735	735	1,471
Min. Surface Area, sq ft	83	83	167
Actual Surface Area, sq ft	80	80	159
Actual Volume, cu ft	702	702	1,404
Detention @ Qp, minutes	19.1	19.1	19.1
Air Supply @ 10 scfm/1000 cf	7	7	14
DECHLORINATION			
Min. Detention, min.	N/A	N/A	N/A
Side Water Depth, ft	N/A	N/A	N/A
Minimum Volume, cu ft	N/A	N/A	N/A
Min. Surface Area, sq ft	N/A	N/A	N/A
Actual Surface Area, sq ft	N/A	N/A	N/A
Actual Volume, cu ft	N/A	N/A	N/A
Detention @ Qp, minutes	N/A	N/A	N/A
Air Supply @ 10 scfm/1000 cf	N/A	N/A	N/A
AEROBIC DIGESTION			
Req'd Loading, cu ft/# BOD	22.5	22.5	22.5
Required Volume, cu ft	5,573	5,573	11,146
Basin Depth, ft	10.5	10.5	
Min. Surface Area, sq ft	531	531	1,062
Actual Surface Area, sq ft	395	395	790
Total Actual Volume, cu ft	4,148	4,148	8,295
Loading, cu ft/# BOD	16.7	16.7	16.7
Air Supply Rate, scfm/1000 cu ft	25	25	25
Total Air Supply, cfm	104	104	207
No. diffuser membranes (2/diffuser)	80	80	160
Airflow/diffuser membrane, scfm	1.30	1.30	
AIR BLOWERS			
Anoxic Basin, scfm	22	78	100
Oxic Basins, scfm	355	284	638
RAS Airlift, scfm	16	16	32
Scum Airlift, scfm	5	5	10
Chlorine Contact Basin, scfm	7	7	14
Dechlorination Basin, scfm	N/A	N/A	N/A
Aerobic Digester Basin, scfm	104	104	207
Total Air Supply Required, scfm	508	493	1,002
No. of Blowers	2	2	4
Capacity, scfm	1,500	1,500	3,000
Firm Capacity, scfm	1,500	1,500	3,000
Blower Op Pressure, psi	5.36	5.36	5.36

DESIGN FEATURES FOR RELIABILITY

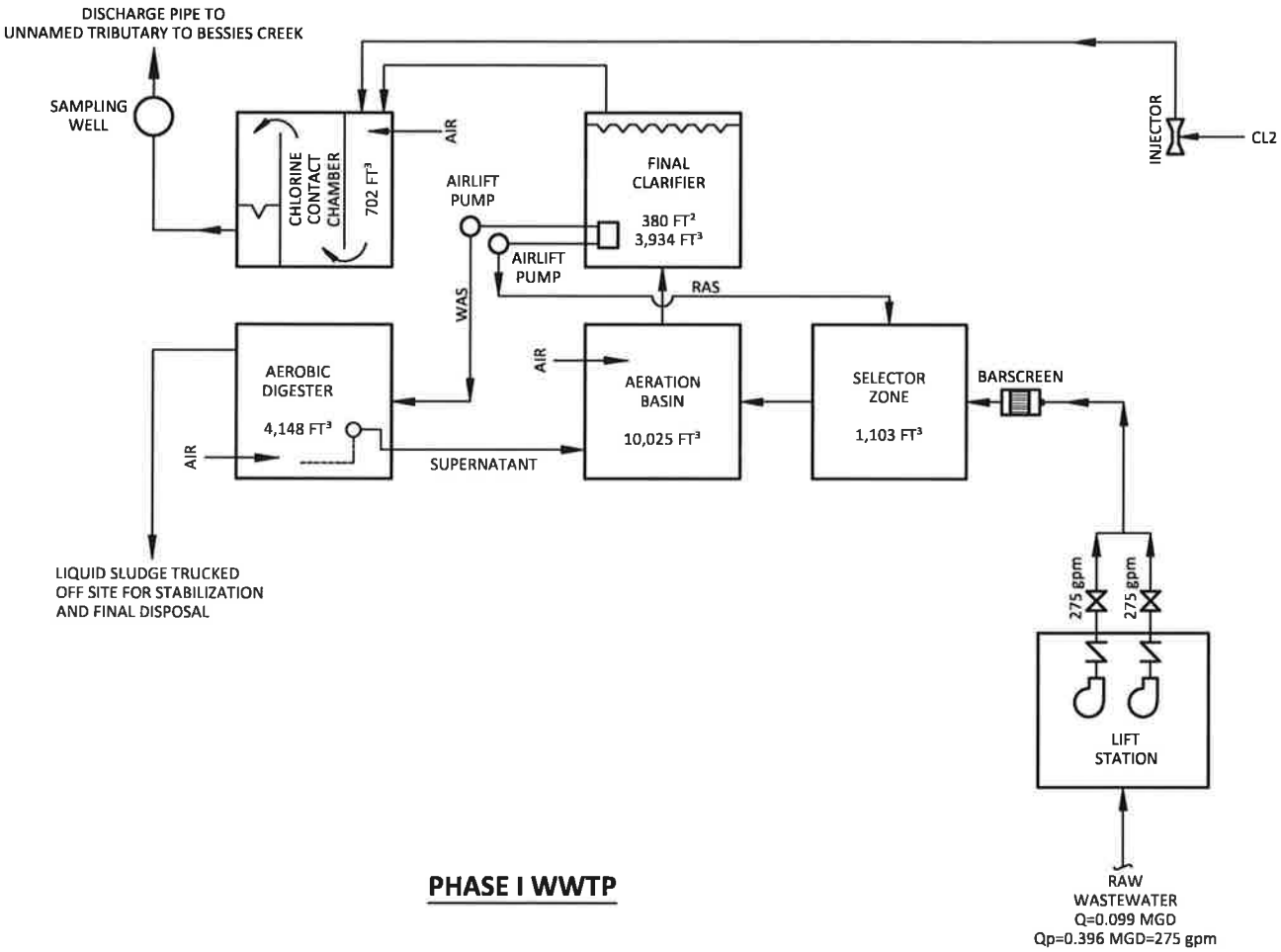
The Hammond Mound WWTP facilities are/will be designed to provide a high degree of mechanical reliability consistent with TCEQ Design Criteria. The following describe design features that are/will be incorporated at the facilities to prevent bypassing or overflows of untreated wastewater:

A. The plant has an equalization basin at the beginning so that high flows will be evened out over longer time periods. Any infiltration/inflow that is noted will be located and addressed as soon as possible.
B. The electrical service that serves the Hammond Mound WWTP is reliable with most outages lasting less than 2-4 hours. However, Utilities Investment Company, Inc. has purchased a generator to operate necessary plant components during extended outages.
C. All mechanical units, such as influent pumps, blowers and chemical feed pumps are installed with spare units in the event a piece of equipment is out of service for repairs.
D. Plant units are maintained per TCEQ standards and repaired as quickly as possible should failure occur.
E. The facilities include an auto-dialer that calls 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)



PHASE I WWTP

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TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
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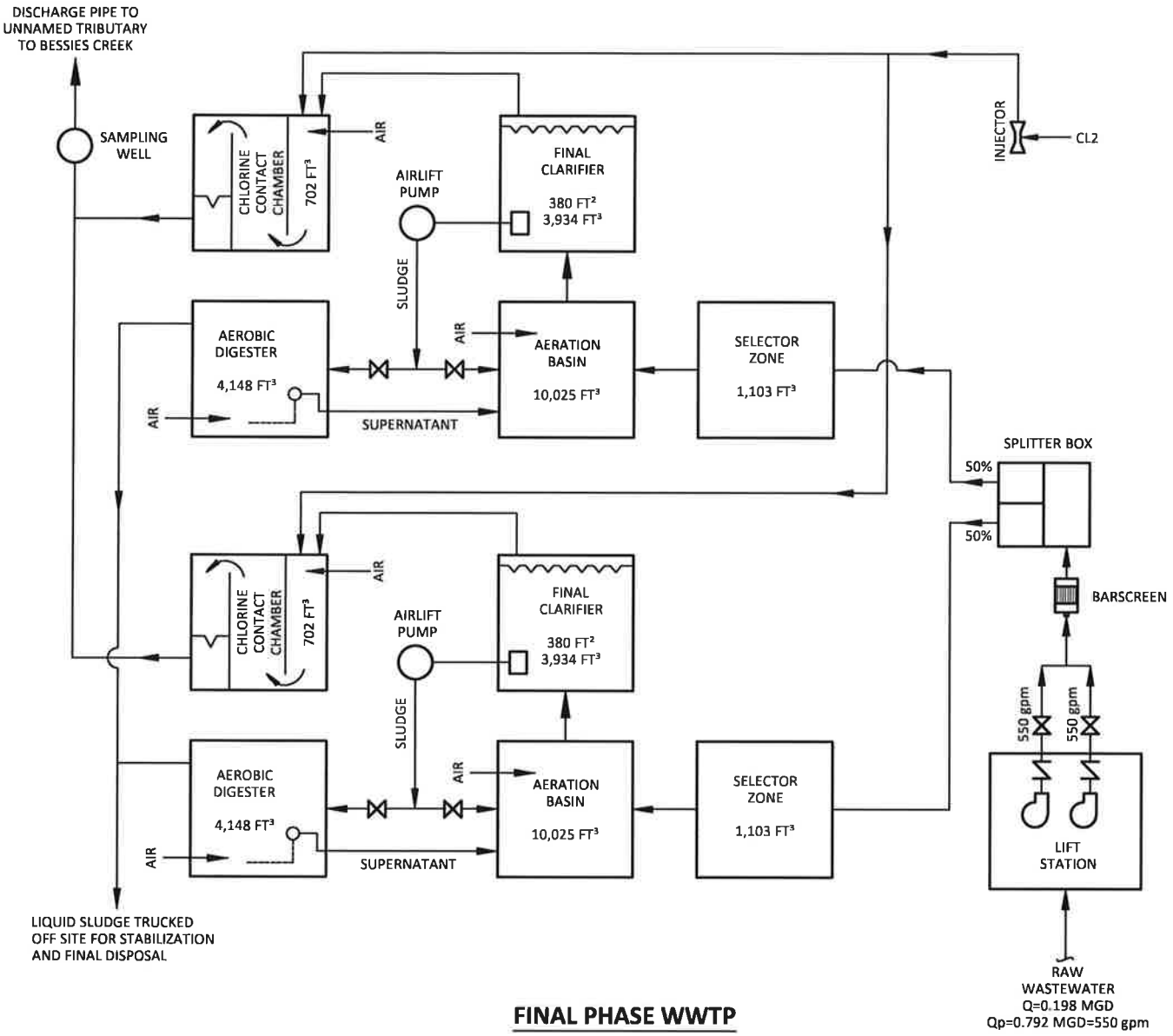
UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

FLOW SCHEMATIC

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**TECH.02-1**
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	



FINAL PHASE WWTP

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FAX: 281-373-1113

UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

FLOW SCHEMATIC

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**TECH.02-2**
SCALE: AS NOTED	
DATE: 5/27/2025	
JOB No.: 3803-25037	

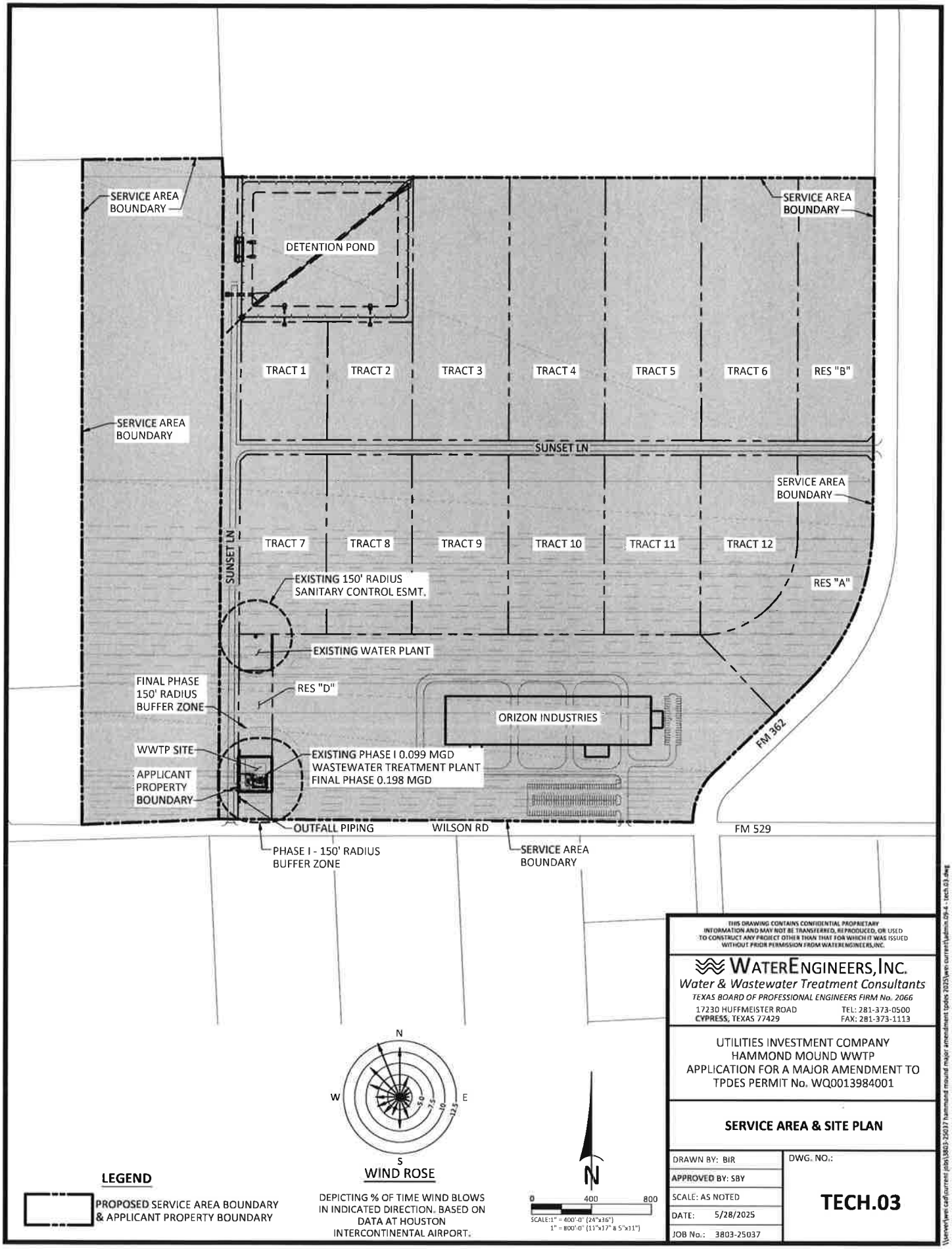
ATTACHMENT TECH.03

Site Drawing

(Reference Technical Report Page 2, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 23, Question 7)



LEGEND

PROPOSED SERVICE AREA BOUNDARY & APPLICANT PROPERTY BOUNDARY

WIND ROSE

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

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UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO TPDES PERMIT No. WQ0013984001

SERVICE AREA & SITE PLAN

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**TECH.03**
SCALE: AS NOTED	
DATE: 5/28/2025	
JOB No.: 3803-25037	

\\server\wes cad\current jobs\3803-25037 hammond mound major amendment tpdes 2025\wes current\admin 09-4 - tech.03.dwg

ATTACHMENT TECH.04

Solids Management Plan

(Reference Technical Report Page 23, Question 5B)

ATTACHMENT TECH.04
SLUDGE MANAGEMENT PLAN

1. Type of Wastewater Treatment Process Used

The Hammond Mound WWTP (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. Tables TECH.04-01 and TECH.04-02 show the process design and sludge generation calculations for the design flows of 99,000 gpd and 198,000 gpd.

2. Dimensions and Capacities

The Phase I treatment facility will have dual digesters with a total volume of 4,148 cu. ft., a surface area of 395 sq. ft. and a 10.5 ft. side water depth. The Phase I digesters will provide a total design flow loading of 16.7 cu. ft./1b BOD. The Final Phase treatment facility will add identical units as in Phase I for a total volume of 8,295 cu. ft., surface area of 790 sq. ft. and a 10.5 ft. side water depth. The Final Phase digesters will provide a total design flow loading of 16.7 cu. ft./lb BOD.

3. Sludge Generation Calculations

Sludge generation calculations showing the amount of solids generated at 100%, 75%, 50% and 25% of design flows are included in Attachments 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	187	140	93	47
Final Phase	373	280	187	93

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:

	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	MLS S mg/l	sludge age, days	MLSS mg/l
Phase I	11.5	3,538	15.5	3,578	23	3,541	46	3,543
Phase II	11.5	3,538	15.5	3,578	23	3,541	46	3,543

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 aeration 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 240 mg/l. If the strength of the influent wastewater varies significantly, solids removal quantities will be different.

	@ 100 % Flow Capacity		@ 75 % Flow Capacity		@ 50 % Flow Capacity		@ 25 % Flow Capacity	
Phase	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month
Phase I	2.0	27,559	2.0	20,675	2.0	13,788	2.0	6,896
Phase II	2.0	55,117	2.0	41,351	2.0	27,576	2.0	13,793

7. Identification of Disposal Site

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

ATTACHMENT TECH.04-01

PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
PHASE I - 99,000 GPD CAPACITY (4Q)
HAMMOND MOUND WWTP

INFLUENT CONDITIONS			
Design Flow Rate, mgd	0.099	Aeration Vol, cu ft	10,025
Infl. BOD, mg/l	300	Clarifier Diameter, ft	22
Infl. TSS, mg/l	240	Clarifier Side Wall Depth, ft	10.35
Infl. VSS, mg/l	192	Clarifier Surface Area, sq ft	380
BOD Loading, lb/day	248	Clarifier Volume, cu ft	3,934
BOD Load, #/1000 cu ft	24.7	Temperature, deg C	20

Actual Plant Loading, %	100%	75%	50%	25%
Actual Flow Rate, mgd	0.099	0.0743	0.0495	0.0248
BOD Loading, #/Day	248	186	124	62
Ret. Sludge Rate, gpd/sq ft	250	250	250	250
Ret. Sludge Flow, mgd	0.10	0.10	0.10	0.10
t = Aeration Time, days	0.76	1.01	1.51	3.03
ts = Sludge Age, Days	11.5	15.5	23	46
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.209	0.155	0.104	0.052
F = Effl Soluble BOD	1.096	0.823	0.549	0.275
Ma = Active Mass	927	938	929	930
Me = Endogenous Mass	534	540	535	535
Mi = Inert Organic Mass	1,020	1,031	1,020	1,020
Mii = Inert Inorganic Mass	1,057	1,069	1,057	1,057
Mt = Total Mass, mg/l	3,538	3,578	3,541	3,543
Total Mass in Aeration Basin, lb	2,213	2,238	2,215	2,215
Lb BOD/Lb MLSS/Day	0.112	0.083	0.056	0.028
Effl TSS, mg/l	7.1	7.2	7.1	7.1
Effl BOD, mg/l	2.3	2.0	1.7	1.5
Sludge Accumulation, lb/day	192	144	96	48
TSS Lost In Effluent, lb/day	6	4	3	1
Waste Sludge, lb/day	187	140	93	47
Return Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Waste Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Waste Sludge Flow, gpd	3,097	2,632	2,079	1,254

AEROBIC DIGESTER				
Volume, cu ft	4,148			
Design Loading, cu ft/lb BOD	16.7	22.3	33.5	67.0
Incoming Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	27.7	37	55	111
Infl Total Solids, lb/day	187	140	93	47
Infl Active Mass, lb/day	49	37	24	12
Effl Active Mass, lb/Day	7	5	4	2
Active Mass Red., lb/day	33	25	17	8
Digester Effl Solids, lb/day	153	115	77	38
Sludge Disposed, lb/mg	1,548	1,548	1,549	1,549
Sludge Disposed, tons/mg	0.77	0.77	0.77	0.77
Sludge Hauled, gal/day	919	689	460	230
Sludge Hauled, gal/month	27,559	20,675	13,788	6,896

ATTACHMENT TECH.04-02

PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS
FINAL PHASE - 198,000 GPD CAPACITY (4Q)
HAMMOND MOUND WWTP

INFLUENT CONDITIONS

Design Flow Rate, mgd	0.198	Aeration Vol, cu ft	20,049
Infl. BOD, mg/l	300	Clarifier Diameter, ft, each	22
Infl. TSS, mg/l	240	Clarifier Side Wall Depth, ft	10.35
Infl. VSS, mg/l	192	Clarifier Surface Area, sq ft	760
BOD Loading, lb/day	495	Clarifier Volume, cu ft	7,869
BOD Load, #/1000 cu ft	24.7	Temperature, deg C	20

Actual Plant Loading, %	1	0.75	0.5	0.25
Actual Flow Rate, mgd	0.198	0.1485	0.099	0.0495
BOD Loading, #/Day	495	372	248	124
Ret. Sludge Rate, gpd/sq ft	250	250	250	250
Ret. Sludge Flow, mgd	0.19	0.19	0.19	0.19
t = Aeration Time, days	0.76	1.01	1.51	3.03
ts = Sludge Age, Days	11.5	15.5	23	46
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.209	0.155	0.104	0.052
F = Effl Soluble BOD	1.096	0.823	0.549	0.275
Ma = Active Mass	927	938	929	930
Me = Endogenous Mass	534	540	535	535
Mi = Inert Organic Mass	1,020	1,031	1,020	1,020
Mii = Inert Inorganic Mass	1,057	1,069	1,057	1,057
Mt = Total Mass, mg/l	3,538	3,578	3,541	3,543
Total Mass in Aeration Basin, lb	4,425	4,475	4,429	4,431
Lb BOD/Lb MLSS/Day	0.112	0.083	0.056	0.028
Effl TSS, mg/l	7.1	7.2	7.1	7.1
Effl BOD, mg/l	2.3	2.0	1.7	1.5
Sludge Accumulation, lb/day	385	289	193	96
TSS Lost In Effluent, lb/day	12	9	6	3
Waste Sludge, lb/day	373	280	187	93
Return Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Waste Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Waste Sludge Flow, gpd	6,193	5,265	4,157	2,508

AEROBIC DIGESTER

Volume, cu ft	8,295			
Design Loading, cu ft/lb BOD	17	22	33	67
Incoming Sludge Conc, mg/l	7,224	6,374	5,386	4,465
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	28	37	55	111
Infl Total Solids, lb/day	373	280	187	93
Infl Active Mass, lb/day	98	73	49	25
Effl Active Mass, lb/Day	14	11	7	4
Active Mass Red., lb/day	67	50	33	17
Digester Effl Solids, lb/day	306	230	153	77
Sludge Disposed, lb/mg	1,548	1,548	1,549	1,549
Sludge Disposed, tons/mg	0.77	0.77	0.77	0.77
Sludge Hauled, gal/day	1,837	1,378	919	460
Sludge Hauled, gal/month	55,117	41,351	27,576	13,793

ATTACHMENT TECH.05

POLLUTANT ANALYSIS OF TREATED EFFLUENT LAB RESULTS

(Reference Technical Report Page 9, Question 7)

Chaparral Laboratories, Inc.

861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342-1622 www.chaparrallabs.com Phone: 936-291-1881 Fax: 936-295-1731

Certificate of Analysis

FloWatch
Attn: Shelley Young
17230 Huffmeister Suite A
Cypress, TX 77429-1643

Customer ID: FLOWATCH
Sample ID: 25050074
Date Received: 05/05/2025
Date Reported: 05/07/2025

Project: Hammond Mound WWTP
Location: Waller County, TX

Analytical Results

Collection Point: Effluent **Flow (MGD):** 0.0230 **Collected:** 05/05/2025 08:32
Sample Type: Grab **Collector:** MHE

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrd
Chlorine, Residual (Total)	1.8	mg/L	05/05/2025 08:32	MHE	-02	SM 4500-Cl F	QC2505120	Field
Dissolved Oxygen	7.3	mg/L	05/05/2025 08:32	MHE	-02	SM 4500-O G	QC2505118	Field
pH	7.9	SU	05/05/2025 08:32	MHE	-02	SM 4500-H+B	QC2505117	Field

Collection Point: Effluent **Flow (MGD):** 0.0230 **Collected:** 05/05/2025 08:35
Sample Type: Grab **Collector:** MHE

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrd
Escherichia coli	9.7	MPN/100mL	05/05/2025 14:45	DKH	-01	SM 9223 B	QC2505128	NELAP

Quality Control

QC ID	Param	QC Type	Result	Units	Flag
QC2505117	pH				
		Duplicate %RPD	0	%	
QC2505118	Dissolved Oxygen				
		Duplicate %RPD	0	%	
QC2505120	Chlorine, Residual (Total)				
		Duplicate %RPD	0	%	
		LCS	100	%	
		Method Blank	<0.1	mg/L	
QC2505128	Escherichia coli				
		Method Blank	<1.0	MPN/100mL	
		Precision Criteria	Acceptable		

Chaparral Laboratories, Inc.

861 State Hwy 19 P.O. Box 1622 Huntsville, TX 77342-1622 www.chaparrallabs.com Phone: 936-291-1881 Fax: 936-295-1731

Certificate of Analysis

FloWatch
Attn: Shelley Young
17230 Huffmeister Suite A
Cypress, TX 77429-1643

Customer ID: FLOWATCH
Sample ID: 25050074
Date Received: 05/05/2025
Date Reported: 05/07/2025

Project: Hammond Mound WWTP
Location: Waller County, TX

The analytical results in this Certificate of Analysis relate only to the samples tested. This Certificate of Analysis, with its corresponding Chain of Custody, completes the data package. This data package may not be reproduced, except in full, without the written approval of Chaparral Laboratories, Inc.

(<) = Result was below quantitation limits.
(>) = Result was above quantitation limits.
Acceptable = meets Precision Criteria
Unacceptable = does not meet Precision Criteria.
Samples analyzed for Oxygen Uptake Rate are diluted to <2% total solids for analysis.
Results reported as mg/kg, %, or CFU/g/TS are calculated on a dry weight basis, unless otherwise noted.
Precision Criteria for Fecal Coliform, Escherichia coli and Enterococci analyses are calculated according to SM 9020 B 8.5.b.

**Note 1: Laboratory Approval by TCEQ*
**Note 1I: The form TCEQ-10525 (Rev. 11/2023) submitted to Chaparral Laboratories, Inc. is TCEQ's required documentation for all active PWS Total Coliform analysis on Drinking Water in the State of Texas. Please refer to the completed form TCEQ-10525 (Rev. 11/2023) for all reporting purposes.*

Approved by David H. Veinotte
Laboratory Director

Chaparral Laboratories, Inc.

861 State Hwy 19 P.O. Box 1622 Huntsville, TX. 77342 www.chaparrallabs.com reports@chaparrallabs.com Phone: 936-291-1881 FAX: 936-295-1731

Chain of Custody Record

CLI-727 | COC Page 1 of 1

Client:	FloWatch
Attn:	Shelley Young
Address:	17230 Huffmeister Suite A
City, State, Zip:	Cypress, TX 77429-1643
Phone #:	281-373-0500

Report to:

Invoicing to:

PO#

Sample Type: Grab; 3 pt. Comp.; 6 pt. Comp.; 24 Hr. Comp.; 48 Hr. Comp.

Matrix Code: D = Drinking Water; NP = Non-Pot Water; S = Solids/Soil

Bottle Code: G = Glass; GA = Glass Amber; P = Plastic; V = VOA; W = Thiowhirlbag

Preservative Code: 1 = <6 °C; 2 = H2SO4 RIL -; 3 = HNO3 RIL -; 4 = NaOH RIL -; 5 = HCl RIL -; 6 = Na2S2O3; 7 = On-Site Analysis; 8 = Other RIL -; 9 = EDA RIL -

Lab remarks: FLOWATCH 25050074 Hammond Mound WWTP

Project ID:	Hammond Mound WWTP			Project Address:		Collection Schedule:	Thursdays
Sampled by:	MHE	Key/Combo:	Combo	Weir Angle:	60	Operator Name:	Operator Cell:

Lab Use Only Sample #	Bottle #	Collection Point	Sample Type	Matrix	Date Collected	Time Collected	Flow (mgd)	Bottle Code	Vol (mls)	Pres. Code	Analysis
25050074	01	EFF	Grab	NP	5/5/25	0835	0.030	P	250	1, 6	E. coli
↓	02	EFF	Grab	NP	↓	0832	↓			7	pH: 7.9 su @ 23.6 °C D.O.: 7.3 mg/l CL2: 1.8 mg/l
											7.9 23.6 7.3

Page 3 of 3

Sample Conditions as Received from Client (in field):
Samples Intact: Y N NA Received on Ice: Y N NA
Temp (Client Therm): _____ °C
Actual Temp (CLI Therm): _____ °C
Corrected Temp (CLI Therm): _____ °C
CLI Thermometer ID: _____

Sample Conditions as Received by Lab:
Samples Intact: Y N NA Received on Ice: Y N NA
Cooler ID#: 2582
Actual Temperature: 3.3 °C
Corrected Temperature: 3.0 °C
CLI Thermometer ID: 316

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	5/5/25	1006			
				5/5/25	1006

Notes: Cl2 reading before Mn correction: 2.5 mg/L Mn correction for Cl2 analysis: 0.7 mg/L
2.5

Chaparral Laboratories, Inc.

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Certificate of Analysis

FloWatch
Attn: Shelley Young
17230 Huffmeister Suite A
Cypress, TX 77429-1643

Customer ID: FLOWATCH
Sample ID: 25050293
Date Received: 05/08/2025
Date Reported: 05/19/2025

Project: Hammond Mound WWTP
Location: Waller County, TX

Analytical Results

Collection Point: Effluent **Flow (MGD):** 0.059 **Collected:** 05/08/2025 09:29
Sample Type: Grab **Collector:** JAS

Parameter	Result	Units	Date/Time	Analyst	Bottle	Method	QC ID	Acrd
CBOD5	<3.0	mg/L	05/09/2025 07:48	EIB	-01	SM 5210 B	QC2505210	NELAP
TSS	5.1	mg/L	05/09/2025 12:07	JAM	-02	SM 2540 D	QC2505233	NELAP
Ammonia Nitrogen	13.1	mg/L	05/09/2025 10:45	JFL	-03	SM 4500-NH3 D	QC2505221	NELAP
Total Kjeldahl Nitrogen	14.6	mg/L	05/15/2025 10:30	JCG	-03	SM 4500-NH3 C	QC2505430	NELAP
Total Phosphorus	4.6	mg/L	05/09/2025 10:10	JCG	-03	SM 4500-P E	QC2505231	NELAP
Alkalinity	234.0	mg/L CaCO3	05/16/2025 14:50	DKH	-04	SM 2320 B	QC2505411	NELAP
Chloride	94.7	mg/L	05/09/2025 14:01	DKH	-04	EPA 300.0	QC2505258	NELAP
Nitrate Nitrogen	0.4	mg/L	05/09/2025 14:01	DKH	-04	EPA 300.0	QC2505259	NELAP
Sulfate	36.1	mg/L	05/09/2025 14:01	DKH	-04	EPA 300.0	QC2505261	NELAP
Total Dissolved Solids	508.0	mg/L	05/09/2025 15:38	DKH	-04	SM 2540 C	QC2505265	NELAP

Quality Control

QC ID	Param	QC Type	Result	Units	Flag
QC2505210	CBOD5				
		Duplicate %RPD	0	%	
		Duplicate %RPD	0	%	
		LCS	105.3	%	
		Method Blank	0.2	mg/L	
QC2505221	Ammonia Nitrogen				
		LCS	98	%	
		Matrix Spike Recovery	92	%	
		Matrix Spike Recovery	90	%	
		Matrix Spike RPD	0	%	
		Matrix Spike RPD	0	%	
		Method Blank	<0.1	mg/L	
		RPD	0	%	
		RPD	0	%	

Chaparral Laboratories, Inc.

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Certificate of Analysis

FloWatch
Attn: Shelley Young
17230 Huffmeister Suite A
Cypress, TX 77429-1643

Customer ID: FLOWATCH
Sample ID: 25050293
Date Received: 05/08/2025
Date Reported: 05/19/2025

Project: Hammond Mound WWTP
Location: Waller County, TX

QC2505231	Total Phosphorus			
		LCS	100	%
		Method Blank	<0.01	mg/L
		MS %R	95	%
		MSD %R	94.5	%
		RPD	0	%
QC2505233	TSS			
		Duplicate %RPD	1.4	%
		Duplicate %RPD	0	%
		LCS	102	%
		Method Blank	<2.5	mg/L
QC2505258	Chloride			
		Duplicate %RPD	0	%
		LCS	93.1	%
		Method Blank	<0.3	mg/L
		MS %R	95.3	%
		MSD %R	93.2	%
QC2505259	Nitrate Nitrogen			
		Duplicate %RPD	0	%
		LCS	94.9	%
		Method Blank	<0.1	mg/L
		MS %R	99.9	%
		MSD %R	96.2	%
QC2505261	Sulfate			
		Duplicate %RPD	0	%
		LCS	93.2	%
		Method Blank	<0.3	mg/L
		MS %R	91.8	%
		MSD %R	91.9	%

Chaparral Laboratories, Inc.

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Certificate of Analysis

FloWatch
Attn: Shelley Young
17230 Huffmeister Suite A
Cypress, TX 77429-1643

Customer ID: FLOWATCH
Sample ID: 25050293
Date Received: 05/08/2025
Date Reported: 05/19/2025

Project: Hammond Mound WWTP
Location: Waller County, TX

QC2505265	Total Dissolved Solids			
		Duplicate %RPD	1.5	%
		LCS	103.2	%
		Method Blank	<25.0	mg/L
QC2505411	Alkalinity			
		Duplicate %RPD	1.1	%
		LCS	100.8	%
		Method Blank	<20.0	mg/L CaCO3
QC2505430	Total Kjeldahl Nitrogen			
		Duplicate %RPD	0	%
		LCS	95	%
		Method Blank	<1.1	mg/L
		MS %R	106	%
		MSD %R	106	%

The analytical results in this Certificate of Analysis relate only to the samples tested. This Certificate of Analysis, with its corresponding Chain of Custody, completes the data package. This data package may not be reproduced, except in full, without the written approval of Chaparral Laboratories, Inc.

(<) = Result was below quantitation limits.
(>) = Result was above quantitation limits.
Acceptable = meets Precision Criteria
Unacceptable = does not meet Precision Criteria.
Samples analyzed for Oxygen Uptake Rate are diluted to <2% total solids for analysis.
Results reported as mg/kg, %, or CFU/g/TS are calculated on a dry weight basis, unless otherwise noted.
Precision Criteria for Fecal Coliform, Escherichia coli and Enterococci analyses are calculated according to SM 9020 B 8.5.b.

**Note 1: Laboratory Approval by TCEQ*
**Note II: The form TCEQ-10525 (Rev. 11/2023) submitted to Chaparral Laboratories, Inc. is TCEQ's required documentation for all active PWS Total Coliform analysis on Drinking Water in the State of Texas. Please refer to the completed form TCEQ-10525 (Rev. 11/2023) for all reporting purposes.*

Approved by David H. Veinotte
Laboratory Director

Chaparral Laboratories, Inc.

861 State Hwy 19 P.O. Box 1622 Huntsville, TX. 77342 www.chaparrallabs.com reports@chaparrallabs.com Phone: 936-291-1881 FAX: 936-295-1731

Chain of Custody Record

CLI-727	COC Page 1 of 1	Report to:	Sample Type: Grab, 3 pt. Comp, 6 pt. Comp, 24 Hr. Comp, 48 Hr. Comp	Bottle Code: G = Glass, GA = Glass Amber, P = Plastic, V = VOA, W = Thiowhirlbag	Preservative Code	Lab remarks:
Client:	FloWatch					FLOWATCH 25050293 Hammond Mound WWTP
Attn:	Shelley Young	Invoicing to:				
Address:	17230 Huffmeister Suite A					
City, State, Zip:	Cypress, TX 77429-1643					
Phone #:	281-373-0500	PO#	Matrix Code: D = Drinking Water, NP = Non-Pot Water, S = Solids/Soil		1 = <6 °C; 2 = H2SO4 RIL -; 3 = HNO3 RIL -; 4 = NaOH RIL -; 5 = HCl RIL -; 6 = Na2S2O3; 7 = On-Site Analysis; 8 = Other RIL -; 9 = EDA RIL -	

Project ID:	Hammond Mound WWTP	Project Address:		Collection Schedule:	Thursdays
Sampled by:		Key/Combo: Combo	Weir Angle: 60	Operator Name:	Operator Cell:

Lab Use Only Sample #	Bottle #	Collection Point	Sample Type	Matrix	Date Collected	Time Collected	Flow (mgd)	Bottle Code	Vol (mls)	Pres. Code	Analysis
25050293	01	EFF	Grab	NP	5.8.15	0929	.059	P	1000	1	CBOD5
	02	EFF	Grab	NP	"	"	"	P	1000	1	TSS
	03	EFF	Grab	NP	"	"	"	P	500	1, 2	NH3N, TKN, T-P
	04	EFF	Grab	NP	"	"		P	1000	1	Chloride, NO3N, SO4, TDS, Alkalinity

Sample Conditions as Received from Client (in field):
Samples Intact: Y N (NA) Received on Ice: Y N (NA)
Temp (Client Therm): _____ °C
Actual Temp (CLI Therm): _____ °C
Corrected Temp (CLI Therm): _____ °C
CLI Thermometer ID: _____

Sample Conditions as Received by Lab:
Samples Intact: (Y) N NA Received on Ice: (Y) N NA
Cooler ID#: 277
Actual Temperature: 2.5 °C
Corrected Temperature: 2.0 °C
CLI Thermometer ID: 421

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	5.8.15	1522			
			Debbie Wisniska	5/8/15	1522

Notes:

Page 4 of 4

ATTACHMENT TECH.06

DEVELOPMENT SCHEDULE

(Reference Technical Report Page 20, Question 1A)

UTILITIES INVESTMENT COMPANY, LLC
HAMMOND MOUND WASTEWATER TREATMENT PLANT
MAJOR AMENDMENT TO WQ00 13984001

DEVELOPMENT SCHEDULE

YEAR	NUMBER OF ESFC CONNECTIONS		GALLONS TO WWTP	
	ANNUAL	TOTAL		
End 2025	225	225	56250	First 0.099MGD WWTP already in operation
End 2026	144	369	92250	Q3 begin construction of 2nd 0.099 WWTP
End 2026	144	513	128250	
End 2027	144	657	164250	
End 2028	84	741	185250	

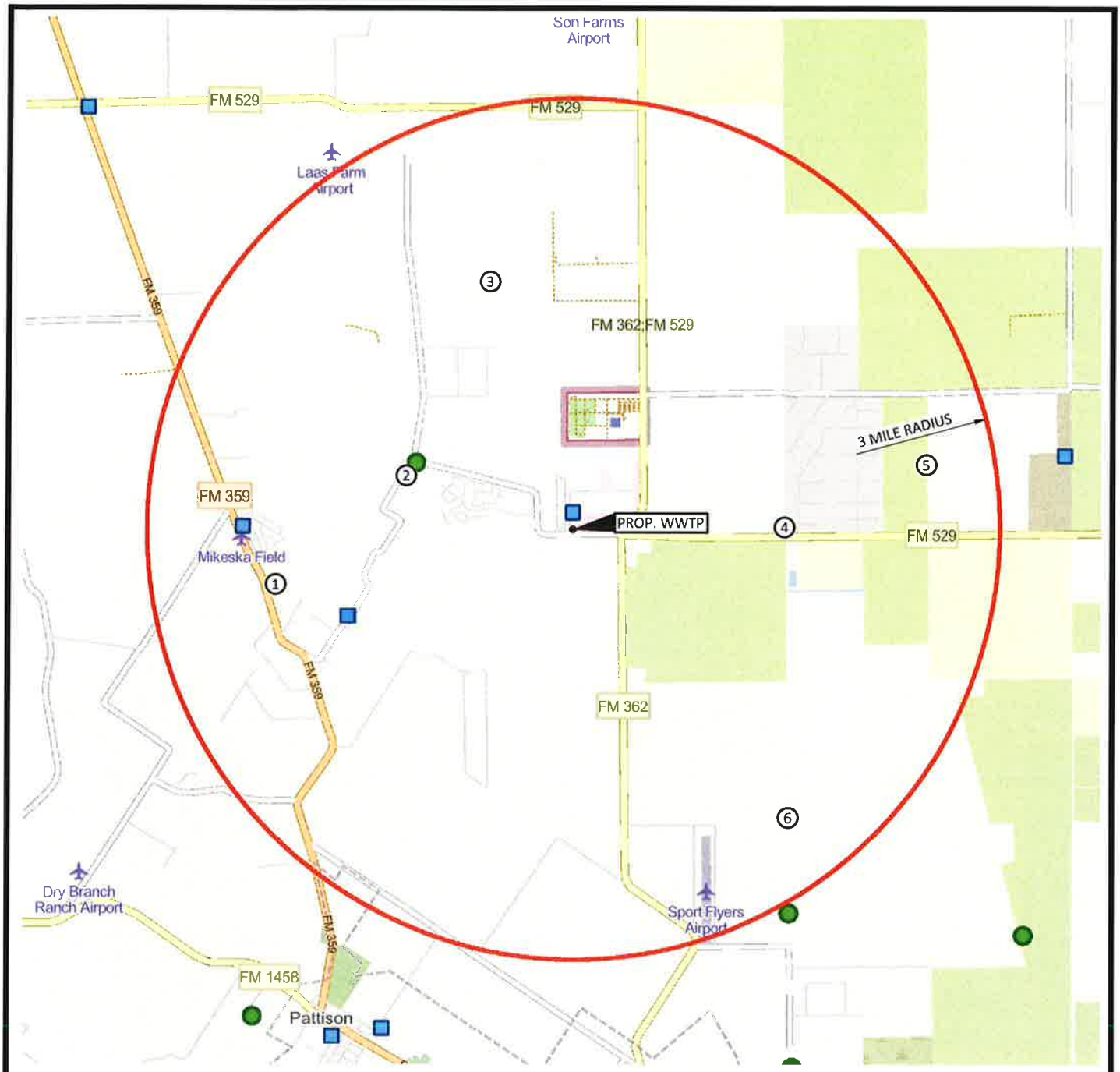
ATTACHMENT TECH.07

Map and List of Facilities within 3 Miles

and

Service Request Letters

(Reference Technical Report Page 20, Section 1B3)



PERMITTEE IDENTIFICATION TABLE	
REFERENCE No.	TPDES PERMIT No.
1	WQ0014963001
2	WQ0016136001
3	WQ0016357001
4	WQ0016562001
5	WQ0016262001
6	WQ0014944001

N

0 1/2 MILE 1 MILE

SCALE: 1" = 1/2 MILE (24"x36")
1" = 1 MILE (11"x17" 8.5"x11")

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

UTILITIES INVESTMENT COMPANY
HAMMOND MOUND WWTP
APPLICATION FOR A MAJOR AMENDMENT TO
TPDES PERMIT No. WQ0013984001

REGIONAL WASTEWATER SYSTEMS MAP

DRAWN BY: BIR	DWG. NO.:
APPROVED BY: SBY	**TECH.07**
SCALE: AS NOTED	
DATE: 5/28/2025	
JOB No.: 3803-25037	

\\server\wei cad\current jobs\3803-25037 hammond mound major amendment tpdes 2025\wei current\tech.07.dwg

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Astro Sunterra West LP
2322 West Grand Parkway North, Suite 150
Katy, TX 77449

Certified Mail Receipt # 7021 2720 0002 5119 7200

Re: TCEQ Waste Discharge Permit No. WQ0014944001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: _____ Signature: _____

Name of Permittee: _____ Printed Name: _____

Capacity Available (Yes / No)? _____ Title: _____

Terms (if available) _____ Address: _____

_____ _____

_____ Telephone: _____

_____ Email: _____

No reply received

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Beacon Estates WSC
513 W. Navigation Street
Brookshire, TX 77423

Certified Mail Receipt # 7021 2720 0002 5119 7187

Re: TCEQ Waste Discharge Permit No. WQ0014963001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: 05/19/2025
Name of Permittee: Beacon Estates WSC
Capacity Available (Yes / (No)? _____
Terms (if available) _____

Signature: Enrique Velasco
Printed Name: Enrique Velasco
Title: President
Address: 513 W. Navigation St
Brookshire, Tx. 77423
Telephone: (281) 934-3931
Email: beaconestateswsc@gmail.com

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Century Communities, Inc.
333 Cypress Run, Suite 200
Houston, TX 77094

Certified Mail Receipt # 7021 2720 0002 5119 7194

Re: TCEQ Waste Discharge Permit No. WQ0016562001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: _____ Signature: _____

Name of Permittee: _____ Printed Name: _____

Capacity Available (Yes / No)? _____ Title: _____

Terms (if available) _____ Address: _____

_____ _____

_____ Telephone: _____

_____ Email: _____

no reply received

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Quadvest LP
26926 FM 2978
Magnolia, TX 88354

emailed to: murback@quadvest.com

Re: TCEQ Waste Discharge Permit No. WQ0016262001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: 4/30/25

Name of Permittee: QUADVEST

Capacity Available (Yes / (No))

Terms (if available) _____

Signature: [signature]

Printed Name: MARK L. URBACK

Title: EVP

Address: _____

Telephone: _____

Email: _____

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Quadvest LP
26926 FM 2978
Magnolia, TX 88354

emailed to: murback@quadvest.com

Re: TCEQ Waste Discharge Permit No. WQ0016357001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: 4/30/25
Name of Permittee: QUADVEST
Capacity Available (Yes / (No)?)
Terms (if available) _____

Signature: [signature]
Printed Name: MARK L. URBACK
Title: EVP
Address: _____

Telephone: _____
Email: _____

WATERENGINEERS, INC.
WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

April 24, 2025

Utilities Investment Co., Inc.
P.O. Box 279
New Waverly, Texas 77358-0279

emailed to: marshwaterman@aol.com

Re: TCEQ Waste Discharge Permit No. WQ0016136001

Dear Permittee:

We are writing to you on behalf of Utilities Investment Company, Inc. regarding an amendment to a wastewater treatment plant project that serves the Hammond Mound Commercial Development and the Casa de Campo Mobile Home Community, in Waller County, located at 34699 Sunset Lane, as shown on the attached map. The proposed wastewater system will serve approximately 750 equivalent single-family connections. Utilities Investment Company, Inc. is in the process of applying for an amendment to TCEQ TPDES Permit No. WQ0013984001 to discharge 198,000 gpd.

We are required to contact all existing TCEQ Wastewater Discharge Permittees and/or CCN holders with collection systems 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 plant or CCN service area located within three miles of the project and have a TCEQ Waste Discharge Permit. If we find a wastewater treatment plant permit holder within three 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 198,000 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 syoung@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.

Shelley Young

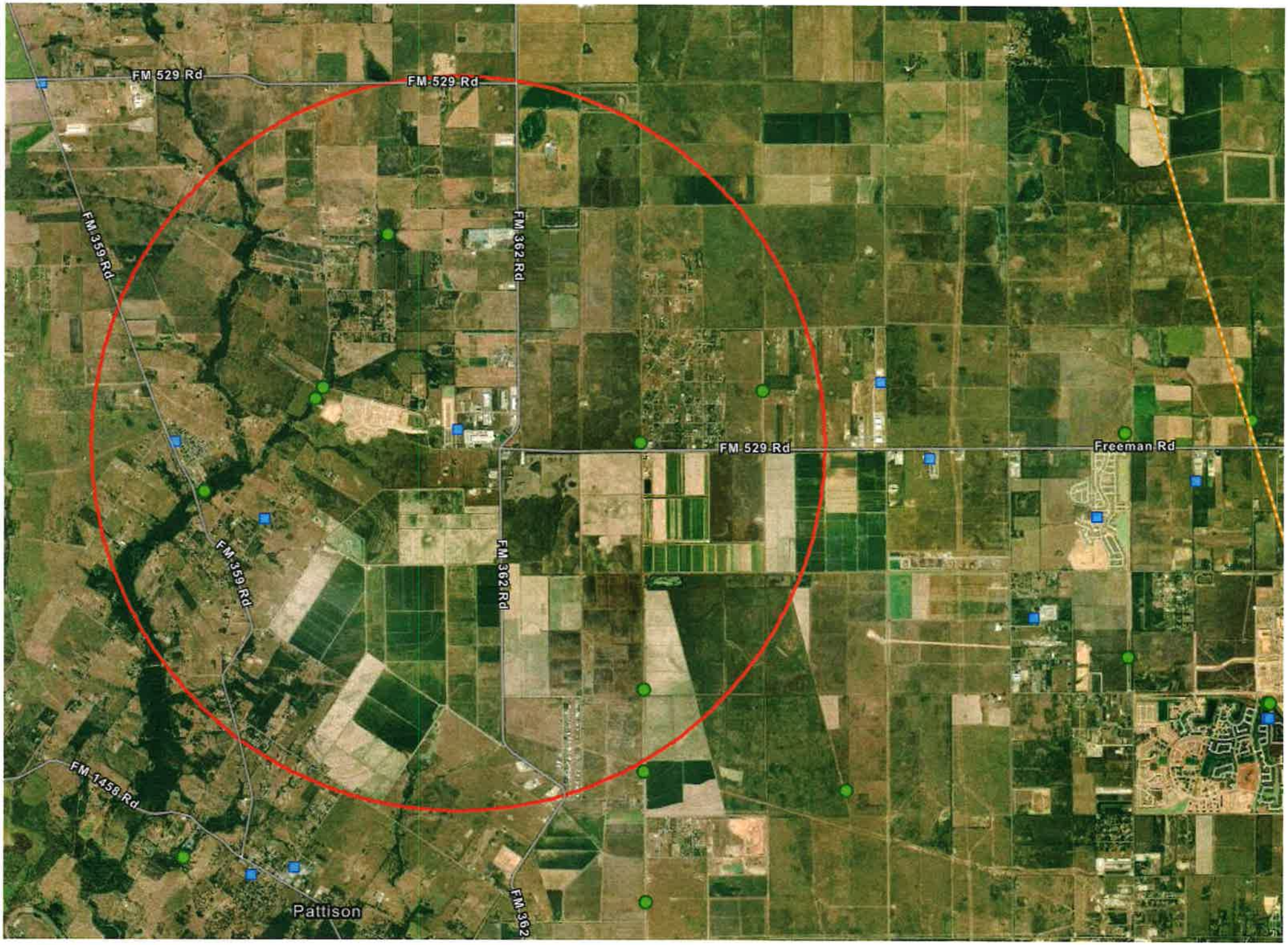
Shelley Young, P.E.

cc: Utilities Investment Company, Inc.

REPLY

Date of Reply: _____
Name of Permittee: _____
Capacity Available (Yes / (No)?) _____
Terms (if available) _____
_____
_____
_____

Signature: _____
Printed Name: S. Marsh
Title: Pres
Address: _____
_____
Telephone: 281-590-4359
Email: _____


FM 529 Rd
FM 529 Rd
FM 359 Rd
FM 362 Rd
FM 529 Rd
Freeman Rd
FM 359 Rd
FM 362 Rd
FM 1458 Rd
Pattison
FM 362

RAYMOND HICKS
6403 VIRGINIA FIELDS DRIVE
KATY TX 77494

LEX HOUSTON II LP
12400 COIT ROAD SUITE 1270
DALLAS TX 75251

KATHARINE MONCADA
19218 CLEVERA WALK LANE
HOUSTON TX 77084

CHE COMMUNITY LLC
9121 ELIZABETH ROAD SUITE 108
HOUSTON TX 77055

BRENT & JULIE WATTS
28926 DEWBERRY ARBOR CT
KATY TX 77494

BLUESTEM DEVELOPMENT COMPANY
1401 WOODLANDS PARKWAY
THE WOODLANDS TX 77380

HARVEY & LYNETTE LAAS
9870 FM 359
BROOKSHIRE TX 77423

JAKE & CATRIONA CULLUM
7200 ADAMS FLAT ROAD
BROOKSHIRE TX 77423

KATHY MILLS & EDWINA GARRETT
3485 EULA MORGAN ROAD
KATY TX 77493

S & H PROPERTY HOLDINGS LLC
3119 WELLSPRING LAKE DRIVE
FULSHEAR TX 77441

MARGARITO & MARIANA PALACIOS
4772 HUBBARD
BROOKSHIRE TX 77423

KENNETH & DARLA HOLDER
6553 ADAMS FLAT ROAD
BROOKSHIRE TX 77423

Candice Calhoun

From: Shelley Young <syoung@waterengineers.com>
Sent: Friday, June 13, 2025 12:49 PM
To: Candice Calhoun
Subject: RE: Application to Amend Permit No. WQ0013984001 - Notice of Deficiency
Attachments: ADMIN.06~Downstream.doc; Municipal Discharge Major Amendment Spanish NORI.docx

Hi Candice,

In reference to your NOD letter dated today, please accept the following"

1. The name on the downstream landowner list and labels should be Mariana Palacios. It was correct on the labels. Please find attached an updated downstream and adjacent landowners list.
2. The portion of the NORI looks correct.
3. Please find attached the Spanish version of the NORI.

Please let me know if you have any other questions or concerns.

Have a great weekend.

Regards,
Shelley

Shelley Young, P.E.
WaterEngineers, Inc.
17230 Huffmeister Road, Suite A
Cypress, Texas 77429

281-373-0500

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, June 13, 2025 11:09 AM
To: Shelley Young <syoung@waterengineers.com>
Subject: Application to Amend Permit No. WQ0013984001 - Notice of Deficiency
Importance: High

Good morning, Ms. Young,

The attached Notice of Deficiency (NOD) letter dated June 13, 2025, requests additional information needed to declare the application administratively complete. Please send complete response no later than June 27, 2025.

Please let me know if you have any questions.

Regards,

Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

TABLE "ADMIN.06"

UTILITIES INVESTMENT COMPANY, INC.
Hammond Mound
Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

Source: Waller County Appraisal District

Tract No. (See Attachment "ADMIN.06" Map)	**Title Owner & Address**
1	RAYMOND HICKS 6403 VIRGINIA FIELDS DRIVE KATY TX 77494
2	LEX HOUSTON II LP 12400 COIT ROAD SUITE 1270 DALLAS TX 75251
3	KATHARINE MONCADA 19218 CLEVERA WALK LANE HOUSTON TX 77084
4	CHE COMMUNITY LLC 9121 ELIZABETH ROAD SUITE 108 HOUSTON TX 77055
5	BRENT & JULIE WATTS 28926 DEWBERRY ARBOR CT KATY TX 77494
6	BLLUESTEM DEVELOPMENT COMPANY LLC 1401 WOODLANDS PARKWAY THE WOODLANDS TX 77380
7	HARVEY & LYNETTE LAAS 9870 FM 359 BROOKSHIRE TX 77423
8	JAKE & CATRIONA CULLUM 7200 ADAMS FLAT ROAD BROOKSHIRE TX 77423
9	KATHY MILLS & EDWINA GARRETT 3485 EULA MORGAN ROAD KATY TX 77493
10	S & H PROPERTY HOLDINGS LLC 3119 WELLSPRING LAKE DRIVE FULSHEAR TX 77441
11	MARGARITO & MARIANA PALACIOS 4772 HUBBARD BROOKSHIRE TX 77423

12	KENNETH & DARLA HOLDER 6553 ADAMS FLAT ROAD BROOKSHIRE TX 77423