

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



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

TCEQ

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 <u>Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H</u>. 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.

Liberty County Utilities, LLC (CN605861632) proposes to operate the Liberty County Utilities Wastewater Treatment Plant #5 (RN), an activated sludge process with nitrification operated in the complete mix mode. The facility will be located at approximately 3.5 miles east northeast of the intersection of CR 341 and Plum Grove Road (FM 1010), in Plum Grove, Liberty County, Texas 77327. This application for a new application to discharge a daily average flow of 650,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a screening facility, aeration basin, final clarifier, sludge digester, chlorine contact chamber and dechlorination chamber.

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.

Liberty County Utilities LLC (CN605861632) propone operar la Planta de Tratamiento de Aguas Residuales de Liberty County Utilities #5 (RN New), un proceso de lodos activados con nitrificación operado en el modo de mezcla completa. La instalación estará ubicada en aproximadamente 3.5 milas al este Noreste de la interseccion de Camino CR 341 y Camino Plum Grove (Camino FM 1010, en Plum Grove, Condado de Liberty, Texas 77327. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 650,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD₅), solidos totalmente suspendidos (TSS), nitrógeno amoniacal (NHҫ-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. estará tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, balsa de aireación, clarificador finales, digestor de lodos, cámara de contacto de cloro y cámara de decloración.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016813001

APPLICATION. Liberty County Utilities, LLC, P.O. Box 279, New Waverly, Texas 77358, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016813001 (EPA I.D. No. TX0147869) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 650,000 gallons per day. The domestic wastewater treatment facility will be located approximatley 3.5 miles east-northeast of the intersection of County Road 341 and Farm-to-Market Road 1010, near the city of Plum Grove, in Liberty County, Texas 77327. The discharge route will be from the plant site to a detention pond; thence to a ditch; thence to an unnamed tributary; thence to Tarkington Bayou; thence to Luce Bayou; thence to Lake Houston. TCEQ received this application on May 9, 2025. The permit application will be available for viewing and copying at Austin Memorial Library, reference desk, 220 South Bonham Avenue, Cleveland, in Liberty 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=-95.037417,30.237725&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 countywide 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 Liberty County Utilities, LLC at the address stated above or by calling Ms. Shelley Young, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: May 30, 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. WQoo16813001

SOLICITUD. Servicios Públicos del Condado de Liberty, P.O. Box 279, New Waverly, Tejas 77358, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016813001 (EPA I.D. No. TX0147869) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 650,000 galones por día. La planta estará ubicada aproximadamente 3.5 millas al este noreste de la intersección de la Camino Condado 341 y Camino Granja-a-Mercado 1010, circa la Ciudad de Plum Grove, en el Condado de Liberty, Texas 77327. La ruta de descarga es del sitio de la planta a un estanque de detención; de allí a una zanja; de allí a un afluente sin nombre; de allí al pantano de Tarkington; de allí a Luce Bayou; de allí al lago Houston. La TCEQ recibió esta solicitud el 9 de mayo de 2025. La solicitud para el permiso está disponible para leerla y copiarla en Biblioteca Conmemorativa de Austin, excritorio de referencia, 220 Avenida Bonham Sur, Cleveland, en Condado de Liberty, Tejas antes de la fecha de publicación de este aviso en el periódico. La aplicación, incluidas las actualizaciones y los avisos asociados, están 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/LocationMapper/?marker=-95.037417,30.237725&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 específico. 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

También se puede obtener información adicional del Servicios Públicos del Condado de Liberty a la dirección indicada arriba o llamando a Ms. Shelley Young, P.E., WaterEngineers, Inc., al 281-373-0500.

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.

Fecha de emission: 30 de mayo de 2025



WATER & WASTEWATER TREATMENT CONSULTANTS

17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643 Tel: 281-373-0500 Fax: 281-373-1113

Overnight by UPS

May 8, 2025

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

Re: Liberty County Utilities, LLC

Application for a New TPDES Permit

Liberty County Utilities Wastewater Treatment Plant #5

Dear Sir/Ms:

Enclosed please find the original and four copies of the Application for a New Texas Pollution Discharge Elimination System Permit for the proposed Liberty County Utilities Wastewater Treatment Plant #5 in Liberty County.

Please contact Shelley Young, P.E. at 281-373-0500 or at <u>syoung@waterengineers.com</u> 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 NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

LIBERTY COUNTY UTILITIES WASTEWATER TREATMENT PLANT #5

LIBERTY COUNTY UTILITIES, LLC 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

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

LIBERTY COUNTY UTILITIES

WASTEWATER TREATMENT PLANT #5

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Liberty County Utilities, LLC
PERMIT NUMBER (If new, leave blank): WQ00New

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

	Y	N		Y	N
Administrative Report 1.0	\boxtimes		Original USGS Map	\boxtimes	
Administrative Report 1.1	\boxtimes		Affected Landowners Map	\boxtimes	
SPIF	\boxtimes		Landowner Disk or Labels	×	
Core Data Form	\boxtimes		Buffer Zone Map	\boxtimes	
Summary of Application (PLS)	\boxtimes		Flow Diagram	\boxtimes	
Public Involvement Plan Form	\boxtimes		Site Drawing	\boxtimes	Ŗ
Technical Report 1.0	\boxtimes		Original Photographs	\boxtimes	
Technical Report 1.1	\boxtimes	Ò	Design Calculations		
Worksheet 2.0	\boxtimes		Solids Management Plan	\boxtimes	Ö
Worksheet 2.1	\boxtimes		Water Balance		\boxtimes
Worksheet 3.0	E	\boxtimes			
Worksheet 3.1		\boxtimes			
Worksheet 3.2		\boxtimes			
Worksheet 3.3	E	\boxtimes			
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For TCEQ Use Only	
Segment Number	County
Expiration Date	Region
Permit Number	

SCOMMISSION STATES

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	Informa	tion
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Mailed Check/Money Order Number: 1574

Check/Money Order Amount: \$1,650.00

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.	Che	ck the box next to the appropriate authorization type.
		Publicly Owned Domestic Wastewater
		Privately-Owned Domestic Wastewater
		Conventional Water Treatment
b.	Che	ck the box next to the appropriate facility status.
		Active 🖾 Inactive

C.	Che	eck the box next to the appropriate permit typ	oe.	
	\boxtimes	TPDES Permit		
		TLAP		
		TPDES Permit with TLAP component		
		Subsurface Area Drip Dispersal System (SAI	DDS)	
d.	Che	eck the box next to the appropriate applicatio	n typ	e
	\boxtimes	New		
		Major Amendment with Renewal		Minor Amendment with Renewal
		Major Amendment without Renewal		Minor Amendment without Renewal
		Renewal without changes		Minor Modification of permit
e.	For	amendments or modifications, describe the p	oropo	osed changes: <u>N/A</u>
f.	For	existing permits:		
	Per	mit Number: WQ00 <u>N/A</u>		
	EPA	I.D. (TPDES only): TX Click to enter text.		
	Exp	oiration Date: Click to enter text.		

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?

Liberty County Utilities, LLC

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

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

CN: 605861632

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: Managing Member Credential: Click to enter text.

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

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

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

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. <u>ADMIN.03</u>

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.: <u>281-373-0500</u> E-mail Address: <u>syoung@waterengineers.com</u>

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: \square Administrative Contact \square 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: Managing Member Credential: Click to enter text.

Organization Name: Liberty County Utilities, LLC

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

Phone No.: 800-224-4035 E-mail Address: marshwaterman@aol.com

B. Prefix: Mr. Last Name, First Name: Harris, John

Title: Member Credential: Click to enter text.

Organization Name: Liberty County Utilities, LLC

Mailing Address: P.O. Box 279 City, State, Zip Code: Fresno, TX 77545

Phone No.: <u>281-989-3635</u> E-mail Address: <u>jharris@colonyridge.com</u>

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 TCEO-20029).

Prefix: Mr. Last Name, First Name: Harris, John

Title: Member Credential: Click to enter text.

Organization Name: Liberty County Utilities, LLC

Mailing Address: P.O. Box 279 City, State, Zip Code: Fresno, TX 77545

Phone No.: <u>281-989-3635</u> E-mail Address: <u>jharris@colonyridge.com</u>

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: Managing Member Credential: Click to enter text.

Organization Name: Liberty County Utilities, LLC

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

Phone No.: 800-224-4035 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: <u>Engineer</u> Credential: <u>P.E.</u>

Organization Name: WaterEngineers, Inc.

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

Phone No.: <u>281-373-0500</u> E-mail Address: <u>syoung@waterengineers.com</u>

	Pa	ckage						
	In	dicate b	y a check m	ark t	he preferred method fo	or 1	receiving the first notice and instruction	ons
	\boxtimes	E-mai	l Address					
		Fax						
		Regul	ar Mail					
C.	Co	ntact p	ermit to be	liste	d in the Notices			
	Pro	efix: <u>Ms.</u>			Last Name, Firs	t N	Jame: <u>Young, Shelley</u>	
	Tit	tle: <u>Engi</u>	neer		Credential: P.E.			
	Or	ganizati	ion Name: <u>W</u>	aterl	Engineers, Inc.			
	Ma	ailing Ac	ldress: <u>1723</u> 0) Huf	ffmeister Road, Suite A	C	City, State, Zip Code: Cypress, TX 77429	
	Ph	one No.	281-373-050	00	E-mail Address	3: <u>s</u> y	young@waterengineers.com	
D.	Pu	blic Vie	wing Inform	natio	on			
			ity or outfall st be provid		ocated in more than one	е са	ounty, a public viewing place for each	
	Pu	blic buil	ding name:	Austi	<u>in Memorial Library</u>			
	Lo	cation w	ithin the bu	ildin	ng: <u>Reference Desk</u>			
	Ph	ysical A	ddress of Bu	ıildir	ng: <u>220 S. Bonham Avenı</u>	<u>ue</u>		
	Cit	y: <u>Cleve</u>	land		County: <u>Libe</u>	rty	<u> </u>	
	Co	ntact (L	ast Name, Fi	rst N	Name): <u>Librarian</u>			
	Ph	one No.:	281-592-392	<u>20</u> Ex	xt.: Click to enter text.			
E.	Bil	ingual N	Notice Requ	irem	ients			
					ed for new, major ame l applications.	nd	lment, minor amendment or minor	
	be	needed.		nstrı	uctions on publishing t		mine if alternative language notices wi alternative language notices will be in	
	ob	ease call tain the quired.	the bilingua following in	ıl/ES ıforn	L coordinator at the ne nation to determine wh	are etł	est elementary and middle schools and her an alternative language notices are	d e
	1.				program required by to st to the facility or prop		Texas Education Code at the elementa sed facility?	ary
			Yes		No			
		If no , p below.	ublication o	f an	alternative language no	otic	ce is not required; skip to Section 9	
	2.				ttend either the elemen	ıtaı	ry school or the middle school enrolle	d in
		\boxtimes	Yes		No			

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

	3.	Do the location	students at n?	these	school	s attend	a bilingual	educa	ition prog	gram a	t another
			Yes	\boxtimes	No						
	4.		the school b							gram l	out the school has
			Yes	\boxtimes	No						
	5.		nswer is yes ed. Which lar								tive language are
F.	Su	mmary	of Applicati	ion in	Plain I	anguage	e Template				
			the F. Sumn n as the plai) Form 20972), ment.
	At	tachmei	nt: <u>ADMIN.o.</u>	4							
G.	Pu	blic Inv	olvement Pl	lan Fo	orm						
			the Public In it or major a								plication for a t.
	At	tachmei	nt: <u>ADMIN.o</u>	5							
								-			
Se	cti	on 9.	Regulat Page 29		intity	and Pe	ermitted	Site	Informa	ation	(Instructions
A.			is currently 1 N Click to e			TCEQ, pi	rovide the I	Regula	ited Entity	y Num	ber (RN) issued to
			TCEQ's Cen currently reg				/www15.tc	eq.tex	as.gov/cr	pub/	to determine if
B.	Na	me of p	roject or site	e (the	name k	nown by	the comm	unity	where loc	ated):	
	Lib	erty Cou	nty Utilities V	WWTI	° #5						
C.	Ow	mer of t	reatment fac	cility:	Liberty	County U	tilities, LLC				
	Ow	nership	of Facility:		Public	\boxtimes	Private		Both		Federal
D.	Ow	mer of l	and where ti	reatm	ent fac	ility is or	will be:				
	Pre	fix: Clic	k to enter te	ext.	L	ast Name	, First Nam	e: Clio	ck to ente	r text.	
	Tit	le: Click	to enter tex	t.	C	redential	: Click to e	nter te	ext.		
	Org	ganizati	on Name: <u>Lil</u>	berty	County 1	<u>Jtilities, I</u>	LC				
	Ma	iling Ad	dress: <u>P.O. B</u>	ox 27	9		City, State,	Zip C	ode: <u>New</u>	Waver	ly, TX 77358
	Pho	one No.:	800-224-40	35	F	-mail Ac	dress: <u>mars</u>	shwate	rman@ao	l.com	
			owner is not or deed rec						or co-ap	plican	t, attach a lease
		Attachi	ment: Click t	to ent	er text.						

	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 ente	er text.
	Mailing Address: Click to enter to	ext. 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 agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: Click to enter te	xt.
F.	Owner sewage sludge disposal si property owned or controlled by	te (if authorization is requested for sludge disposal on 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 ente	er text.
	Mailing Address: Click to enter to	ext. 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 agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: Click to enter te	xt.
_	d to Epperopi l	
		ge Information (Instructions Page 31)
		ge Information (Instructions Page 31) ity location in the existing permit accurate?
	Is the wastewater treatment facil ☐ Yes ☐ No If no, or a new permit application	ity location in the existing permit accurate? on, please give an accurate description:
	Is the wastewater treatment facil ☐ Yes ☐ No If no, or a new permit application	ity location in the existing permit accurate?
A.	Is the wastewater treatment facil ☐ Yes ☐ No If no, or a new permit application Approximately 1.45 miles east of the 1010).	ity location in the existing permit accurate? on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM
A.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and	ity location in the existing permit accurate? on, please give an accurate description:
A.	Is the wastewater treatment facil ☐ Yes ☐ No If no, or a new permit application Approximately 1.45 miles east of the 1010).	ity location in the existing permit accurate? on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM
A.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and No If no, or a new or amendment perpoint of discharge and the discharge and discharge and discharge and discharge and discharge and	ity location in the existing permit accurate? on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM
A.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and Yes No If no, or a new or amendment perpoint of discharge and the discharge and the discharge and the discharge and the permit of the perm	ity location in the existing permit accurate? on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM the discharge route(s) in the existing permit correct? ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 aty Municipal Management District No. 1 drainage ditch, thence Branch; thence to East Fork San Jacinto River in Segment No.
A.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and Yes No If no, or a new or amendment perpoint of discharge and the discharge and the discharge and the discharge and the permit of the plant site to Liberty Count to Orange Branch; thence to Maple	ity location in the existing permit accurate? on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM the discharge route(s) in the existing permit correct? ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 aty Municipal Management District No. 1 drainage ditch, thence Branch; thence to East Fork San Jacinto River in Segment No.
A.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and Yes No If no, or a new or amendment perpoint of discharge and the discharge and the discharge and the permit of the plant site to Liberty Count to Orange Branch; thence to Maple 1003 of the San Jacinto River Basin	on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM the discharge route(s) in the existing permit correct? ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 ty Municipal Management District No. 1 drainage ditch, thence Branch; thence to East Fork San Jacinto River in Segment No.
А.	Is the wastewater treatment facil Yes No If no, or a new permit application Approximately 1.45 miles east of the 1010). Are the point(s) of discharge and Yes No If no, or a new or amendment perpoint of discharge and the discharge and the discharge and the Depoint of Depoint of Depoint of Liberty Count to Orange Branch; thence to Maple 1003 of the San Jacinto River Basin City nearest the outfall(s): Clevela County in which the outfalls(s) is	on, please give an accurate description: e intersection of Enloe Blvd. and Plum Grove Road (aka FM the discharge route(s) in the existing permit correct? ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 ty Municipal Management District No. 1 drainage ditch, thence Branch; thence to East Fork San Jacinto River in Segment No. h. and /are located: Liberty discharge to a city, county, or state highway right-of-way, or

E. Owner of effluent disposal site:

	If yes , indicate by a check mark if:
	☐ Authorization granted
	For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
	Attachment: See ADMIN.10
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
Se	ection 11. TLAP Disposal Information (Instructions Page 32)
	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
Λ.	☐ 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
В.	City nearest the disposal site: Click to enter text.
	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.
Е.	For TLAPs , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.
Se	ction 12. Miscellaneous Information (Instructions Page 32)
Α.	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.
Se	ection 13. Attachments (Instructions Page 33)
Inc	licate 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.
\boxtimes	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: <u>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, ADMIN.10 Letter to Liberty County Municipal Management District #1 Requesting Permission to Discharge</u>

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: New

Applicant: Liberty County Utilities, LLC

Certification:

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

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

Signatory name (typed or printed): <u>Shannon Marsh</u>
Signatory title: Managing Member
Signature:
Subscribed and Sworn to before me by the said Shannon Marsh on this
Senufer R Mitrick Notary Public [SEAL]

JENNIFER R. MITRICK Notary Public, State of Texas Comm. Expires 06-30-2028 Notary ID 126010225

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

A.

B.

C.

D.

E.

Section 1. Affected Landowner Information (Instructions Page 36)

	cate by a check mark that the landowners map or drawing, with scale, includes the owing information, as applicable:
\boxtimes	The applicant's property boundaries
\boxtimes	The facility site boundaries within the applicant's property boundaries
\boxtimes	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).)
\boxtimes	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
	Indicate by a check mark that a separate list with the landowners' names and mailing resses cross-referenced to the landowner's map has been provided.
	Indicate by a check mark that the landowners list has also been provided as mailing ls in electronic format (Avery 5160).
Prov <u>Distr</u>	ide the source of the landowners' names and mailing addresses: <u>Liberty County Appraisal</u>
As ro	equired by $Texas\ Water\ Code\ \S\ 5.115$, is any permanent school fund land affected by application?
	□ Yes ⊠ No

	land	
	Clic	k to enter text.
0		
	ectio	
		original ground level photographs. Indicate with checkmarks that the following tion is provided.
	\boxtimes	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
	\boxtimes	A plot plan or map showing the location and direction of each photograph
0		
	ectio	1
A.	infor	er zone map. Provide a buffer zone map on 8.5×11 -inch paper with all of the following mation. The applicant's property line and the buffer zone line may be distinguished by 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.
В.		er zone compliance method. Indicate how the buffer zone requirements will be met. k all that apply.
	\boxtimes	Ownership
		Restrictive easement
		Nuisance odor control
		Variance
C.		itable site characteristics. Does the facility comply with the requirements regarding itable site characteristic found in 30 TAC § 309.13(a) through (d)?
	\boxtimes	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: <u>ADMIN.09</u>

COMMISSION OF THE PROPERTY OF

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): <u>0.325</u>

2-Hr Peak Flow (MGD): 1.300

Estimated construction start date: <u>Q4 2026</u> Estimated waste disposal start date: <u>Q4 2027</u>

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): <u>o.650</u>

2-Hr Peak Flow (MGD): <u>2.6</u>

Estimated construction start date: Q2 2031

Estimated waste disposal start date: Q2 2032

D. Current Operating Phase

Provide the startup date of the facility: N/A-new

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 will enter the conventional activated sludge with nitrification process through a screening system into the equalization/anoxic zone; thence to the aeration basin, 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. Chlorinated flow will be combined and dechlorinated in the Final Phase before final discharge.

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)
See TECH.01		

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: 30.237817

Longitude: -95.036747

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

Latitude: Click to enter text.

Longitude: Click to enter text.

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 des Sections from the Santa Fe			
Collection System Informatieach uniquely owned collection	on for wastewater	TPDES permits only: P	rovide information for
satellite collection systems. examples.	Please see the inst	ructions for a detailed	explanation and
Collection System Informatio Collection System Name	n Owner Name	Owner Type	Population Served
Santa Fe	Liberty County Utilities, LLC	Privately Owned	10,157
		Choose an item.	
		Choose an item.	
		Choose an item.	
If yes, does the existing per years of being authorized by Yes No If yes, provide a detailed dis Failure to provide sufficient	y the TCEQ? scussion regarding t it justification may	the continued need for result in the Executive	the unbuilt phase.
Click to enter text.	e unbunt phase of	pnases.	
Saction 5 Closure D	lanc (Instruction	ons Page 44)	,
Section 5. Closure P Have any treatment units be out of service in the next five □ Yes ☒ No	lans (Instruction en taken out of serve e years?		ll any units be taken

П	yes, was a closure plan submitted to the ICEQ?
	□ Yes □ No
If	yes, provide a brief description of the closure and the date of plan approval.
Se	ection 6. Permit Specific Requirements (Instructions Page 44) r applicants with an existing permit, check the Other Requirements or Special
	ovisions of the permit. Summary transmittal
478.	Have plans and specifications been approved for the existing facilities and each proposed phase?
	□ Yes ⊠ No
	If yes, provide the date(s) of approval for each phase: Click to enter text.
	Provide information, including dates, on any actions taken to meet a <i>requirement or provision</i> pertaining to the submission of a summary transmittal letter. Provide a copy of an approval letter from the TCEQ, if applicable.
	Summary Transmittal letter 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.	Ot	her actions required by the current permit
	su	bes the Other Requirements or Special Provisions section in the existing permit require bmission of any other information or other required actions? Examples include otification of Completion, progress reports, soil monitoring data, etc.
		□ Yes ⊠ No
		yes , provide information below on the status of any actions taken to meet the nditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
	C	lick to enter text.
D.	Gr	it 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.	Sto	ormwater management
		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.	Di	scharges to the Lake Houston Watershed
	Do	oes the facility discharge in the Lake Houston watershed?
		⊠ Yes □ No
		yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. e Attachment TECH.04
G.	Ot	her 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 BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action. Click to enter text. Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring. 3. Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6) Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above? \boxtimes 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.

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, umohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

^{*}TPDES permits only

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

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

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: Shannon Marsh

Facility Operator's License Classification and Level: **B**

Facility Operator's License Number: WW0004433

[†]TLAP permits only

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

A.	WW	TP's Sewage Sludge or Biosolids Management Facility Type
	Che	ck all that apply. See instructions for guidance
		Design flow>= 1 MGD
	\boxtimes	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.	ww	TP's Sewage Sludge or Biosolids Treatment Process
	Che	ck all that apply. See instructions for guidance.
	\boxtimes	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): <u>Transport to another WWTP</u>

D. Disposal site

Disposal site name: <u>Mount Houston Road MUD WWTP</u>
TCEQ permit or registration number: <u>WQoo11154001</u>

County where disposal site is located: Harris

E. Transportation method

Method of transportation (truck, train, pipe, other): <u>Truck</u>

Name of the hauler: Magna-Flow Environmental

Hauler registration number: 21484

Sludge is transported as a:

Liquid ⊠	semi-liquid 🗆	semi-solid □	solid 🗆
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Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

A. Beneficial use authorization

Does th	ne exis	sting	permit	include	authori	zation	for :	land	applica	ation	of bi	iosolid	ls for
benefic	cial us	e?											
	Yes	\boxtimes	No										

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

Yes	No

) Forn								e instructions for
		Yes		No						
B.	Sludg	e proc	essi	ng autho	rization					
		s the existing permit include authorization for any of the following sludge processing, age or disposal options?								
	Slu	ıdge C	omp	osting				Yes		No
	Marketing and Distribution of Biosolids							Yes	\boxtimes	No
	Slu	ıdge Sı	urfac	e Dispos	al or Sludge	Monofill		Yes	\boxtimes	No
	Te	mpora	ry st	orage in	sludge lagoo	ns		Yes	\boxtimes	No
	autho	rizatio i ical R	n, is	the com		stic Wastev	vater	Permit	Appl	esting to continue this ication: Sewage Sludge application?
Se	ction	11.	Sev	vage Sl	udge Lago	ons (Ins	truc	ctions	Page	2 53)
Do	es this	facilit	y inc	lude sev	vage sludge la	agoons?				
	□ Y	es 🛛	No	O						
If y	es, cor	nplete	the	remaind	er of this sect	tion. If no, p	oroce	eed to Se	ction	12.
A.	Locati	on inf	orm	ation						
				aps are re chment N		submitted	as pa	art of the	e app	lication. For each map,
	•	Origir	nal G	eneral H	ighway (Coun	ity) Map:				
		Attac	hme	nt: Click	to enter text.					
	•	USDA	Nati	ural Reso	ources Conse	rvation Serv	ice S	oil Map:		
		Attac	hme	nt: Click	to enter text.					
	•	Feder	al En	nergency	Management	Map:				
		Attac	hme	nt: Click	to enter text.					
	•	Site m	nap:							
		Attac	hme	nt: Click	to enter text.					
	Discus apply.	s in a	desc	ription i	f any of the fo	ollowing ex	ist w	ithin the	lago	on area. Check all that
		Over	lap a	ı designa	ted 100-year	frequency i	flood	l plain		
		Soils	with	n floodin	g classificatio	n				
		Over	lap a	ın unstal	ole area					
		Wetl	ands							

		Located less than 60 meters from a fault
		None of the above
	Att	achment: Click to enter text.
		ction of the lagoon(s) is located within the 100-year frequency flood plain, provide otective measures to be utilized including type and size of protective structures:
	Click	to enter text.
- 1		

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: <u>Click</u> 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: <u>Click to enter text.</u> 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	s, describe the liner below. Please note that a liner is required.												
	Clicl	Click to enter text.												
D.	Site d	levelopment plan												
	Provi	de a detailed description of the methods used to deposit sludge in the lagoon(s):												
	Click	to enter text.												
	Attac	h 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.		ndwater monitoring												
	groun	undwater monitoring currently conducted at this site, or are any wells available for dwater monitoring, or are groundwater monitoring data otherwise available for the e lagoon(s)?												
		Yes □ No												
	types	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 implementatio 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:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o performing work for another company with a unit located in the same site; or
 - o performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

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

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

CERTIFICATION:

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

Printed Name: N/A - not in operation

Title: Click to enter text.

Signature:	
Date:	

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

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

Liberty County Utilities, LLC has been asked to provide the water and sewer utilities for parts of Sections 7-9, 10-11, and 12-16 of Santa Fe Subdivision in Liberty County. Liberty County Utilities, LLC already holds TPDES Permit No. WQ0015967001 which serves parts of Sections 7-9 and WQ0016137001 which will serve Sections 10, 11 and part of 12. There are no other facilities in the area capable of or willing to serve the new sections of the development. This application is for a WWTP to serve Sections 15 and 16.

B. Regionalization of facilities

2.

For additional guidance, please review <u>TCEQ's Regionalization Policy for Wastewater</u> Treatment¹.

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

1. Municipally incorporated areas

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: <u>Click to enter text.</u>												
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.												
Utility CCN areas												
Is any portion of the proposed service area located inside another utility's CCN area?												
□ Yes ⊠ No												

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: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

□ Yes ⊠ No

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

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

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD₅ Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): $\underline{\text{Click}}$ to enter text.

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

Click to enter text.		

B. Proposed organic loading

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

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality		
Subdivision	0.325 / 0.650	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	0.325 / 0.650	
AVERAGE BOD ₅ from all sources		300 / 300

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

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 4

Other: E. Coli: 126 mpn/100 ml

	Total Suspended Solids, mg/l: <u>Click to enter text.</u>
	Ammonia Nitrogen, mg/l: <u>Click to enter text.</u>
	Total Phosphorus, mg/l: Click to enter text.
	Dissolved Oxygen, mg/l: Click to enter text.
	Other: <u>Click to enter text.</u>
C.	Final Phase Design Effluent Quality
	Biochemical Oxygen Demand (5-day), mg/l: <u>10</u>
	Total Suspended Solids, mg/l: <u>15</u>
	Ammonia Nitrogen, mg/l: 3
	Total Phosphorus, mg/l: <u>N/A</u>
	Dissolved Oxygen, mg/l: 4
	Other: <u>E. Coli: 126 mpn/100 ml</u>
D.	Disinfection Method
	Identify the proposed method of disinfection.
	Dechlorination process: sulfur dioxide
	□ Ultraviolet Light: Click to enter text. seconds contact time at peak flow
	□ Other: Click to enter text.
Sec	ction 4. Design Calculations (Instructions Page 58)
Atta	ach design calculations and plant features for each proposed phase. Example 4 of the ructions includes sample design calculations and plant features.
	Attachment: TECH.01
Sec	ction 5. Facility Site (Instructions Page 59)
A.	100-year floodplain
•	Will the proposed facilities be located <u>above</u> the 100-year frequency flood level?
	□ Yes □ No
]	If no , describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.
]	Provide the source(s) used to determine 100-year frequency flood plain.

B. Interim II Phase Design Effluent Quality

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

	EDMA EL LAG
	FEMA Flood Map 48291C0275C
	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: <u>Click to enter text.</u>
	If no, provide the approximate date you anticipate submitting your application to the Corps: <u>Click to enter text.</u>
В.	Wind rose
	Attach a wind rose: TECH.03
Se	ection 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

B.

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

Domestic Drinking Water Supply (Instructions Page 63)

The following information is required for all TPDES permit applications.

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).

C. Sea grasses

Section 1.

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

□ Yes □ No

Click to enter text.

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

Click to enter text.		
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. **Description of Immediate Receiving Waters (Instructions** Section 4. **Page 63)** Name of the immediate receiving waters: Liberty County Municipal Management District #1 Detention Pond for Section 15 A. Receiving water type Identify the appropriate description of the receiving waters. Stream Freshwater Swamp or Marsh Lake or Pond Surface area, in acres: 32.5 Average depth of the entire water body, in feet: ~6 Average depth of water body within a 500-foot radius of discharge point, in feet: ~6 Man-made Channel or Ditch Open Bay Tidal Stream, Bayou, or Marsh Other, specify: Detention Pond \boxtimes **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

X

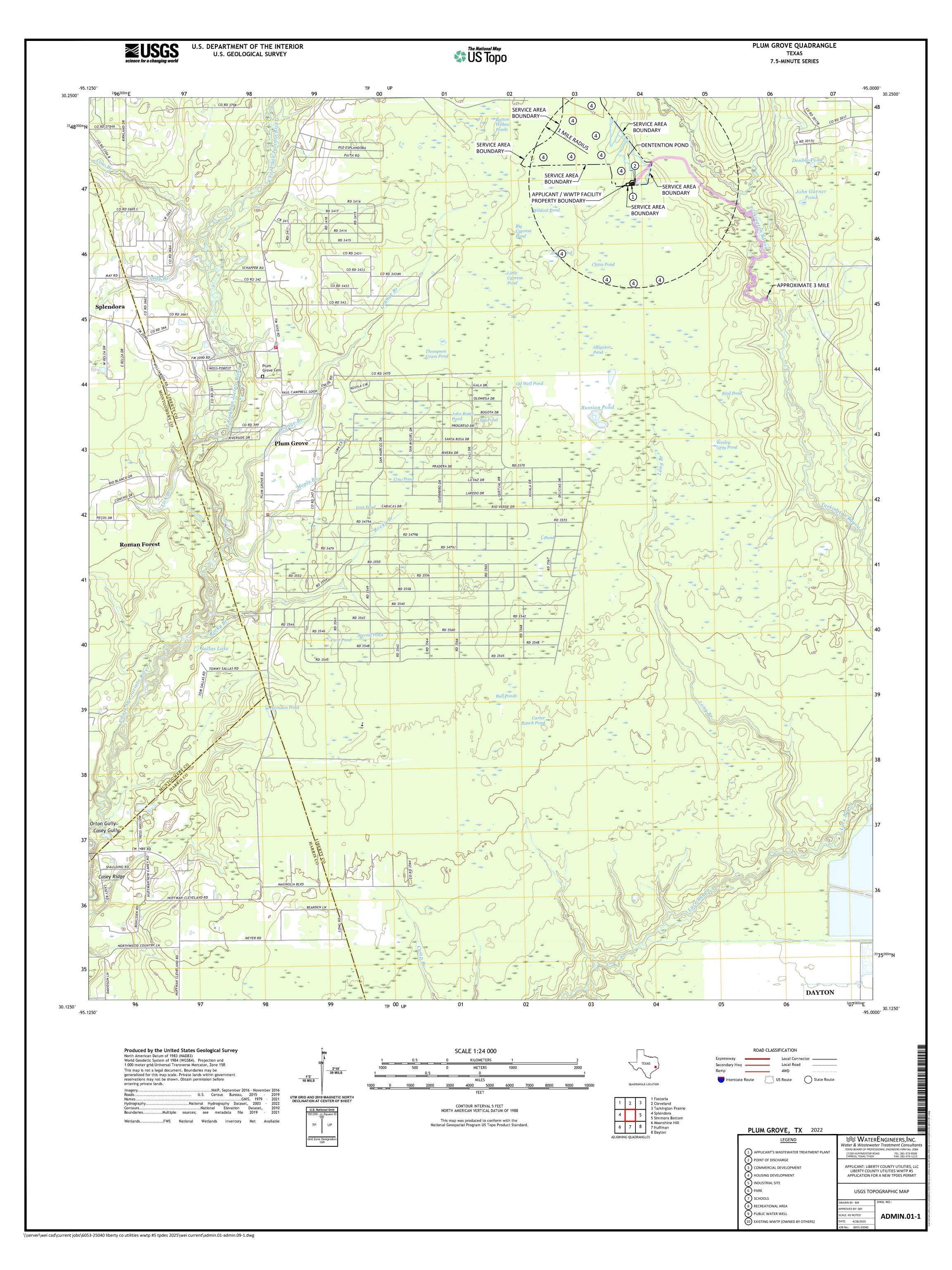
Personal observation

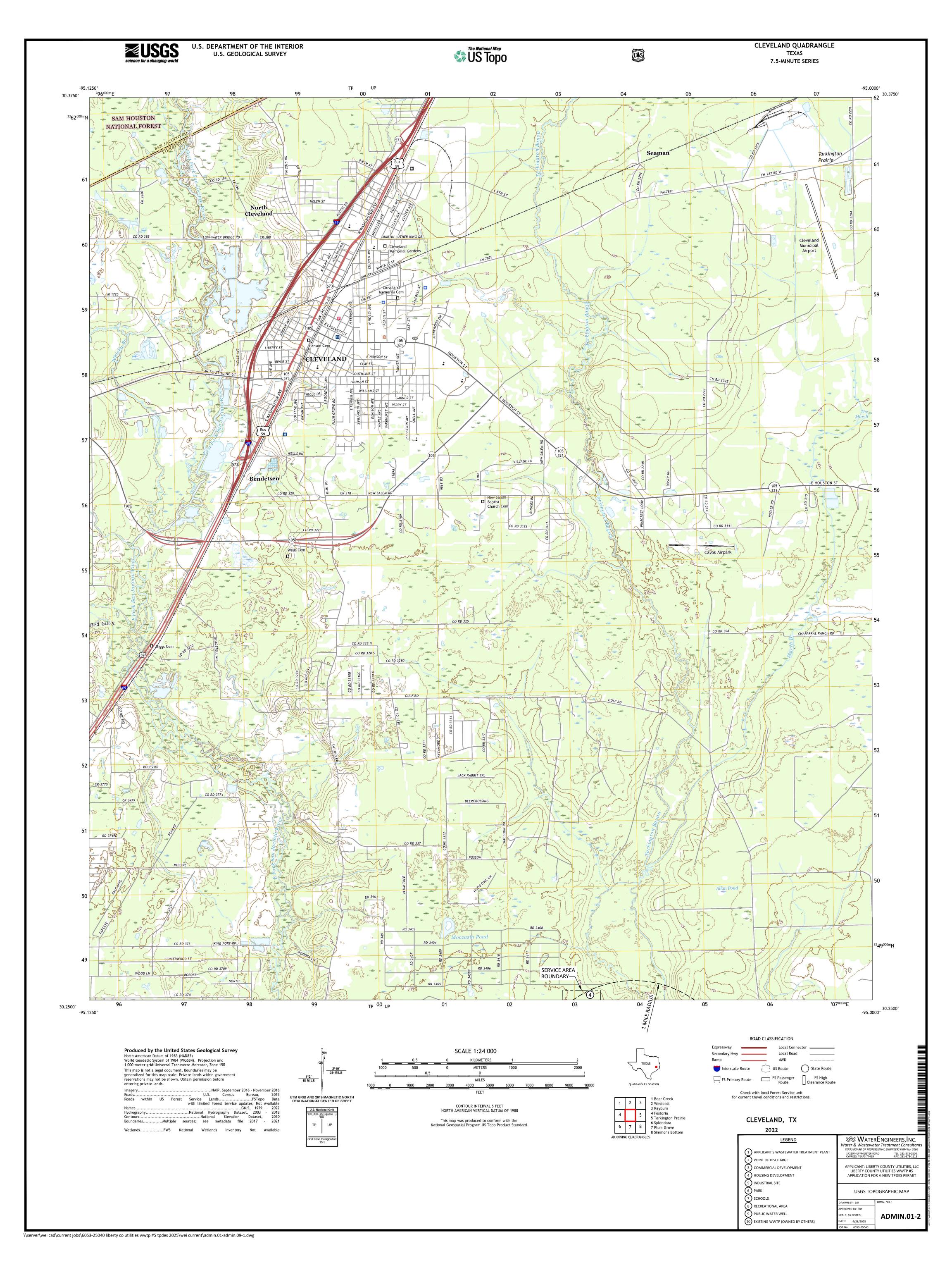
		Other, specify: Click to enter text.		
C.	Down	stream perennial confluences		
		e names of all perennial streams tha tream of the discharge point.	at joi	n the receiving water within three miles
	Tarkiı	ngton Bayou		
D.	Downs	stream characteristics		
	discha	rge (e.g., natural or man-made dams		rithin three miles downstream of the ads, reservoirs, etc.)?
		Yes No		
		discuss how.	1 1.	
		e to Tarkington Bayou (perennial)	a trib	utary of Tarkington Bayou (intermittent),
E	Norma	l dry wasther shorestoristics		J
E.		ll dry weather characteristics e general observations of the water l	hody	during normal dry weather conditions.
		etention pond is wet bottom, even durin		
		,	0 ,	
	Date a	nd time of observation: March 13, 20:	25 11	:50 am
	Was th	e water body influenced by stormwa	ater r	unoff during observations?
	\boxtimes	Yes □ No		
Se	ction		s of	the Waterbody (Instructions
		Page 65)		
A.	Upstre	am influences		
		mmediate receiving water upstream ced by any of the following? Check		ne discharge or proposed discharge site at apply.
		Oil field activities	\boxtimes	Urban runoff
		Upstream discharges		Agricultural runoff
		Septic tanks		Other(s), specify: Click to enter text.

B.	Waterl	body uses												
	Observ	ved or evidences of the following use	es. C	heck all that apply.										
		Livestock watering		Contact recreation										
		Irrigation withdrawal		Non-contact recreation										
		Fishing		Navigation										
		Domestic water supply		Industrial water supply										
		Park activities	\boxtimes	Other(s), specify: <u>unknown</u>										
C.	Waterk	oody aesthetics												
		one of the following that best descr rounding area.	ibes	the aesthetics of the receiving water and										
		Wilderness: outstanding natural be clarity exceptional	auty	; usually wooded or unpastured area; water										
		Natural Area: trees and/or native v fields, pastures, dwellings); water		ation; some development evident (from ty discolored										
		Common Setting: not offensive; de or turbid	velo	ped but uncluttered; water may be colored										
		Offensive: stream does not enhance dumping areas: water discolored	e aes	thetics; cluttered; highly developed;										

ATTACHMENT ADMIN.01 USGS Topographic Map

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





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.

S	\mathbf{E}	\mathbf{C}'	Г	I	O	1	V	I:	G	er	lei	ral	1	n	fo	r	m	a	tie	01	a
---	--------------	---------------	---	---	---	---	---	----	---	----	-----	-----	---	---	----	---	---	---	-----	----	---

		sion (If other is	•			•	•	,	ith the i	orogram applicatio	n)	
		ata Form should	<u>`</u>						ther	лодгат аррпоано		
		Number (if iss					<u> </u>			ed Entity Referen	ce Number	(if issued)
CN 6058		, manual (,,, 100		for CI	V or RI	ink to so V numb Registry	ers in	R		a Linky Notoron	oc Hamber	(ii iosada)
ECTION	II: Cus	tomer Info	rmation									
4. General C	ustomer Ir	nformation	5. Effective	Date fo	or Cus	stomer	r Inforn	natior	Updat	es (mm/dd/yyyy)		
☐ New Cus ☐ Change in		ne (Verifiable wit		•			Inform Texas		troller o	Change in f Public Accounts)	_	Entity Ownership
The Custo	mer Nan	ne submitted	here may b	е ирс	dateo	auto	matic	ally	based	on what is cu	rrent and	active with the
Texas Sec	retary of	State (SOS)	or Texas C	ompti	roller	of P	ublic /	4cco	unts	(CPA).		
6. Customer	Legal Nan	ne (If an individua	l, print last name	ə first: e	g: Doe,	, John)		<u>If</u>	new Cu	stomer, enter previ	ious Custom	er below:
Liberty C	ounty Ut	ilities. LLC										
Liberty County Utilities, LLC 7. TX SOS/CPA Filing Number 8. TX State Tax ID (11 digits) 9. Federal Tax ID (9 digits) 10. DUNS Number (if applicable of the properties) 32074020937												
11. Type of Customer: Corporation Individual Partnership: General Limited												
		County Federal					roprieto	rshin		Other: limited li		nany
12. Number			251-500			nd high		<u>.</u>		pendently Owned		
14. Custome	er Role (Pro	posed or Actual) -	as it relates to	the Reg	ulated	Entity II	isted on	this fo	rm. Plea	se check one of the	following:	
⊠Owner	nal License	Opera			□ 0	wner &	Opera y Clear	tor				
	P.O. Bo	ox 279										
15. Mailing Address:												
Auuless.	City	New Waver	ly	St	ate	TX		ZIP	773	58	ZIP + 4	
16. Country	Mailing Inf	ormation (if outsi	de USA)				17. E-	Mail /	Addres	S (if applicable)		1.
										ın@aolcom		
18. Telephor	ne Number			19. Ex	tensio	on or C	Code			20. Fax Numbe	r (if applical	ble)
(800)22	24-4035									(936) 344	-9838	
ECTION	III: Re	gulated En	tity Infor	<u>mati</u>	<u>on</u>							
21. General F ⊠ New Regu			on (If 'New Re to Regulated E							m should be acco	-	a permit application
The Regula	ated Entir		mitted may	be up	date					-		dards (removal
22. Regulated	d Entity Na	me (Enter name d	of the site where	the reg	ulated	action i	is taking	place.)			
Liberty Co	ounty Uti	lities Waste	water Treat	tment	Plar	nt #5						

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23. Street Addres	s of	No addr	ess has bee	n as	signed										
the Regulated En															
(No PO Boxes)	C	ity	Plum Gro	ve	State	T	ζ	ZIP	773	327	ZIP+	4			
24. County	I	Liberty	1										ii		
		Ent	er Physical L	ocatio	on Description	n if no	street	address	is prov	ided.					
25. Description to Physical Location			mately3.5 i								e Road (I	FM	1010) in		
26. Nearest City									State		N	lear	est ZIP Code		
Plum Grove									TX		1	773	27		
27. Latitude (N)	In Decimal	:	30.237725	;			28. Lo	ngitude (W) In	Decimal:	95.037	417	7		
Degrees	М	inutes		Seco	nds		Degrees	8		Minutes		1	Seconds		
30		1	4		15.81			-95			02		14.43		
29. Primary SIC C	ode (4 digits	30.	Secondary SI	C Coc	le (4 digits)		Primary 6 digits)	/ NAICS (Code		Secondary I 6 digits)	NAIC	CS Code		
4952						221	320								
33. What is the Pr					repeat the SIC o										
Providing was Subdivision	tewater o	collection	on and treat	men	nt services	to 29	02 ad	lditiona	l conn	ections	in the Sa	nta	Fe		
34. Mailing							P.O. B	lox 279							
Address:	' <u> </u>														
		City	New Wave	rly	State	1	гх	ZIP		77358	ZIP+	4			
35. E-Mail A	ddress:					ma	rshwat	erman@a	ol.com						
36.	Telephone	Number			37. Extensi	on or (Code		3	8. Fax Nu	nber <i>(if app</i>	lica	ble)		
	(800) 224-	4035								(93	6) 344-9838	}			
39. TCEQ Programs form. See the Core Data	and ID Nur Form instru	nbers Che	eck all Programs dditional guidan	and w	vrite in the pern	nits/regi	stration	numbers th	nat will be	e affected by	the updates	subr	mitted on this		
☐ Dam Safety		Districts			Edwards Aquife	ег] Emission:	s Invento	ry Air	☐ Industria	Haz	ardous Waste		
☐ Municipal Solid V	Vaste	New Soul	rce Review Air	OSSF				Petroleun	n Storage	Storage Tank			PWS		
Sludge		Storm Wa	iter	☐ Title V Air			Tires				Used Oil] Used Oil			
□ Valuntan Class	- 57	1 16/ 16/	4				+-	lw. s							
☐ Voluntary Cleanu		Waste Wa	ater	Ш,	Wastewater Ag	ricuiture	; <u> </u> _	Water Rig	ints		Other:				
SECTION IV:		ew er Info	ormation												
	ley You		<u> </u>				41. Ti	tle: (Consu	lting En	gineer				
42. Telephone Num	ber	43. Ext./0	Code 4	4. Fa)	Number		45. E	-Mail Ad	dress						
(281)373-0500			(281) 373-1113	3	syo	ung@v	vaterei	ngineers	.com				
SECTION V:	Author	ized S	ignature												
16. By my signature lignature authority to dentified in field 39.	below, I cer	tify, to the	e best of my kn												
Company:	NaterEngin	eers, Inc.				Job T	itle:	Engine	er						
Name(In Print):	Shelley You	ng, P.E.							Pho	ne:	(281) 373-0	500			
Signature:	Thi	10,	Anun	nin					Det		11/21	-	2005		

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ATTACHMENT ADMIN.04

Plain Language Summary

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

TCEQ

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 <u>Title 30, Texas Administrative Code (30 TAC)</u>, <u>Chapter 39, Subchapter H</u>. 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.

Liberty County Utilities, LLC (CN605861632) proposes to operate the Liberty County Utilities Wastewater Treatment Plant #5 (RN), an activated sludge process with nitrification operated in the complete mix mode. The facility will be located at approximately 3.5 miles east northeast of the intersection of CR 341 and Plum Grove Road (FM 1010), in Plum Grove, Liberty County, Texas 77327. This application for a new application to discharge a daily average flow of 650,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a screening facility, aeration basin, final clarifier, sludge digester, chlorine contact chamber and dechlorination chamber.

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.

Liberty County Utilities LLC (CN605861632) propone operar la Planta de Tratamiento de Aguas Residuales de Liberty County Utilities #5 (RN New), un proceso de lodos activados con nitrificación operado en el modo de mezcla completa. La instalación estará ubicada en aproximadamente 3.5 milas al este Noreste de la interseccion de Camino CR 341 y Camino Plum Grove (Camino FM 1010, en Plum Grove, Condado de Liberty, Texas 77327. Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 650,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD₅), solidos totalmente suspendidos (TSS), nitrógeno amoniacal (NH_c-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. estará tratado por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, balsa de aireación, clarificador finales, digestor de lodos, cámara de contacto de cloro y cámara de decloración.

ATTACHMENT ADMIN.05

Public Involvement Plan

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

WQ00New Liberty County Utilities, LLC Liberty County Utilities WWTP #5



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
\square 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, <u>and</u>
 ✓ Located within any of the following geographical locations: • Austin • San Antonio
Dallas West Texas
1, 21 2 3 3 3 3 3
• Fort Worth • Texas Panhandle
 Houston 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):

☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

TCEQ-20960 (10-10-2022)

Waste □ Municipal Solid Waste

☐ Radioactive Materials Licensing

Air

☐ Industrial and Hazardous Waste

☐ 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)

TCEQ-20960 (10-10-2022)

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
(a) Daysont of minority population and research of consisting house within the confidence of
(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
(a) I ereem of Eniguistically isolated flouseholds by fanguage 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
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?
(a) Is this application subject to the public participation requirements of Title 30 Texas
(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?
(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
(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?
(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
(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,
(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.
(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.
(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?
(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
(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.

TCEQ-20960 (10-10-2022)

☐ 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)

Page 4 of 4

ATTACHMENT ADMIN.06 Affected Landowners Map and Table

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

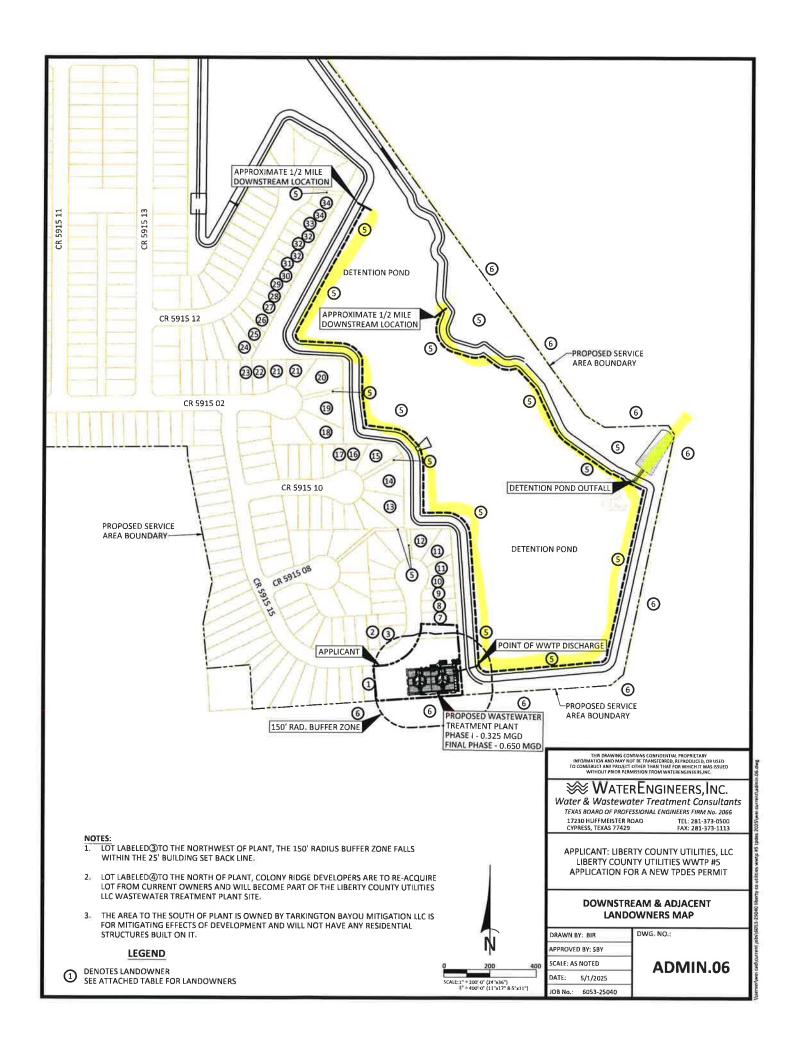


TABLE "ADMIN.06"

LIBERTY COUNTY UTILITIES, LLC Liberty County Utilities Wastewater Treatment Plant #5

Adjacent & Downstream Land Ownership Table

Source: Liberty County Appraisal District

Tract No.	Title Owner & Address			
(See Attachment "ADMIN.06" Map)	Title Owner & radios			
(See 1 Million 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MARIO REYES			
1	12807 MURR WAY			
-	HOUSTON TX 77048			
	YAIMARA JIMENEZ & NOEL AGUILAR			
2	5757 GUHN ROAD APT 133			
_	HOUSTON TX 77040			
	LIZBETH MORENO			
3	6631 DEL BELLO ROAD			
_	MANVEL TX 77578			
4	NOT USED			
	LIBERTY COUNTY MUNICIPAL			
5	MANAGEMENT DISTRICT #1			
	9 GREENWAY PLAZA SUITE 1000			
	HOUSTON TX 77046			
	TARKINGTON BAYOU MITIGATION			
6	LLC			
	700 UNIVERSE BLVD PSX/JB			
	JUNO BEACH FL 33408			
	JHON JARAMILLO			
7	1360 COUNTY ROAD 3560			
	CLEVELAND TX 77327			
	COLONY RIDGE DEVELOPMENT LLC			
8	P O BOX 279			
	FRESNO TX 77545			
	NOHEMY ARIAS			
9	2606 SUNBIRD DR			
	HOUSTON TX 7084			
	MELVA BOTERO			
10	4431 WINDMILL RUN			
	HOUSTON TX 77069			
	VICTOR AGUDELO			
11	2606 SUNBIRD DRIVE			
	HOUSTON TX 77084			

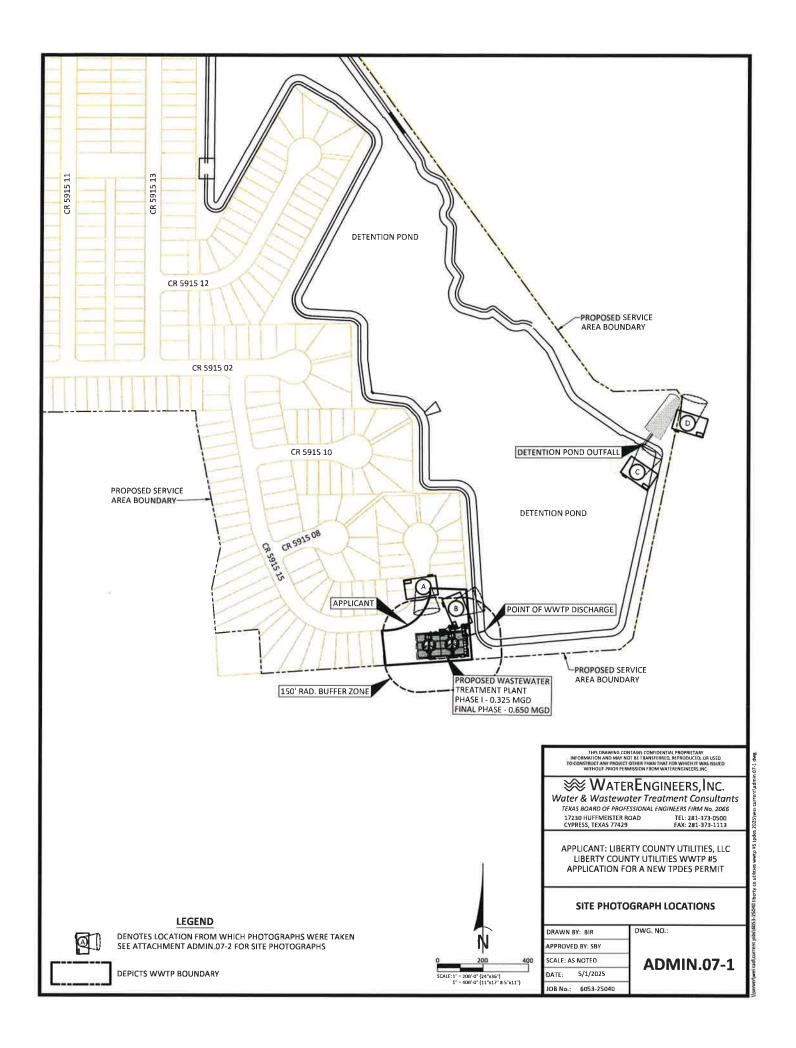
	IEGIIG GLIEVADA				
12	JESUS GUEVARA				
12	3802 BRIAR WATER COURT				
	KATY TX 77449				
	MARTIN PENA				
13	6666 CHETWOOD DRIVE APT 165				
	HOUSTON TX 77081				
	MARTIN VAZAUEDZ & DILCIA AMAYA				
14	5711 YALE STREET TRLR 187				
	HOUSTON TX 77076				
	JOSE HIDALGO & YANERKI HERRERA				
15	7575 BELLAIRE BLVD APT 15G				
	HOUSTON TX 77036				
	OMAR GARCIA & LILIA JARAMILLO				
16	18331 AUTUMN TRAILS LANE				
	KATY TX 77449				
	ANA ESTRADA				
17	1006 VELLER DRIVE				
1 /	HOUSTON TX 77032				
	YADIRA BAEZ				
10	7055 HOLLISTER STREET APT 128				
18					
	HOUSTON TX 77040				
19	VICTOR & MONICA				
	HERNANDEZ				
	5100 BAKER ROAD				
	NEEDVILLE TX 77461				
	LORENA ARANDA & PASCUAL				
20	CERVANTES				
	2005 ROAD 5914-13				
	CLEVELAND TX 77327				
	ELVIA RAMIREZ & RAFAEL MORENO				
21	628 EDAN AVENUE				
	MODESTO CA 95357				
	SANTOS FLORES				
22	6911 ROMONA BLVD TRLR 11				
22	HOUSTON TX 77086				
	CRISTIAN LOPEZ				
23	10534 EECHNUT STREET APT 301				
23					
	HOUSTON TX 77072				
2.4	CARLOS MONTENEGRO				
24	4050 WST 1500 NORTH				
	DELTA UT 84624				
	YENEISY HORTA				
25	4050 WST 1500 NORTH				
	DELTA UT 84624				
	EULOGIA RODRIGUEZ & JOSE RIVERA				
26	4357 LARKSPUR STREET				
	HOUSTON TX 77051				
27	ANA TZALAM				
	16000 COTILLION DRIVE APT D4				
2.	HOUSTON TX 77060				
	110001011 1A //000				

TRINIDAD ACEVEDO & JHON CASAS
5751 GREENHOUSE RD APT 2132
KATY TX77449
MARCO GODOY & JUANA LARA
719 COTTONTAIL DRIVE
CROSBY TX 77532
MA LARA TORRES
516 PLEASANT STREET
DAYTONA BEACH FL 32114
GILBERTO GONZALEZ
7209 NODDING PINES LANE
HOUSTON TX 77044
LUIS TORRES
22506 HAMLET PARK COURT
SPRING TX 77373

ATTACHMENT ADMIN.07

Photographs

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



PROPOSED WASTEWATER TREATMENT PLANT SITE





POINT OF DISCHARGE INTO DETENTION POND





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

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INFORMATION AND MAY NOT BE TRANSFERRED, REPRODUCED, OR USED
TO CONSTRUCT ANY PROJECT OTHER THAN THAT FOR WHICH IT WAS ISSUED
WITHOUT PRIOR PERMISSION FROM WATERFRICINES INFO

₩ Water Engineers, Inc.

Water & Wastewater Treatment Consultants
TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17:30 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

APPLICANT: LIBERTY COUNTY UTILITIES, LLC LIBERTY COUNTY UTILITIES WWTP #5 APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DWG. NO.:

DRAWN BY: BIR

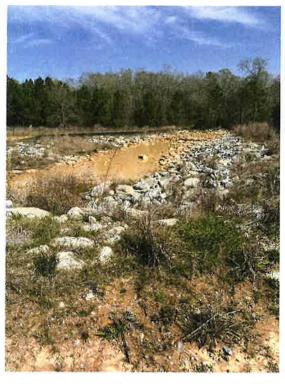
APPROVED BY: SBY

SCALE: AS NOTED

DATE: 4/29/2025 JOB No.: 6053-25040 **ADMIN.07-2**

DETENTION POND POINT OF DISCHARGE





DOWNSTREAM OF DETENTION POND DISCHARGE





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

APPLICANT: LIBERTY COUNTY UTILITIES, LLC LIBERTY COUNTY UTILITIES WWTP #5 APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DRAWN BY: BIR APPROVED BY: SBY SCALE: AS NOTED

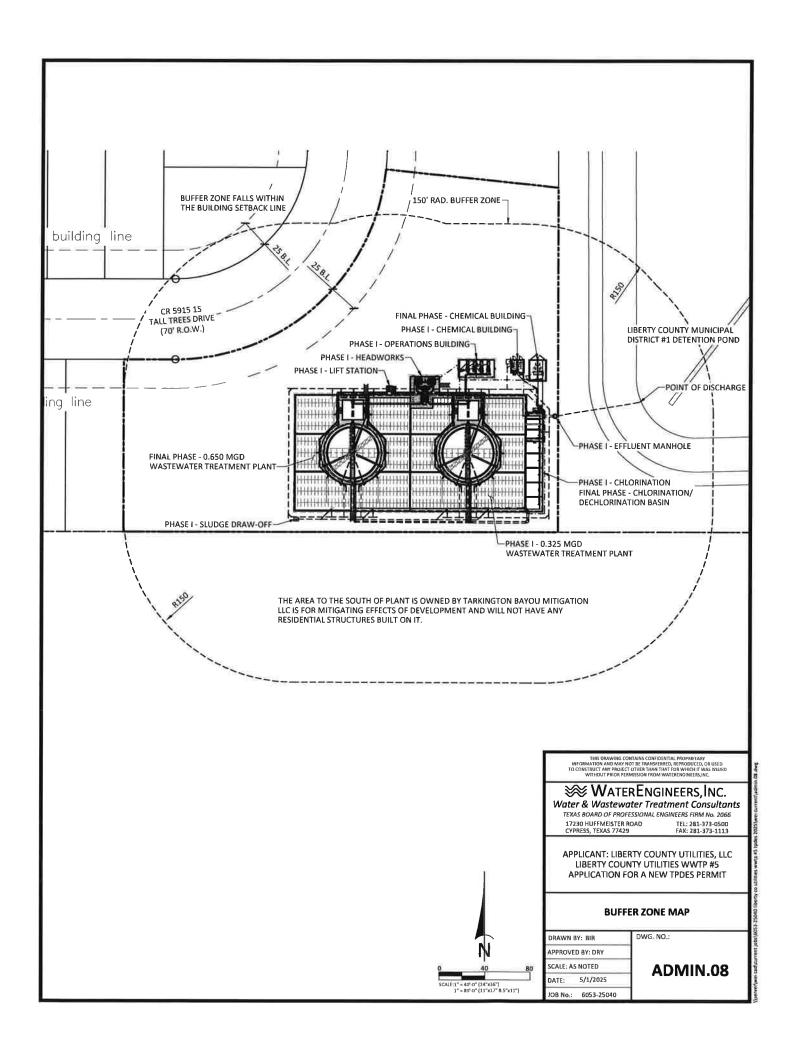
DATE: 4/29/2025 JOB No.: 6053-25040 **ADMIN.07-3**

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

ATTACHMENT ADMIN.08

Buffer Zone Map

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



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

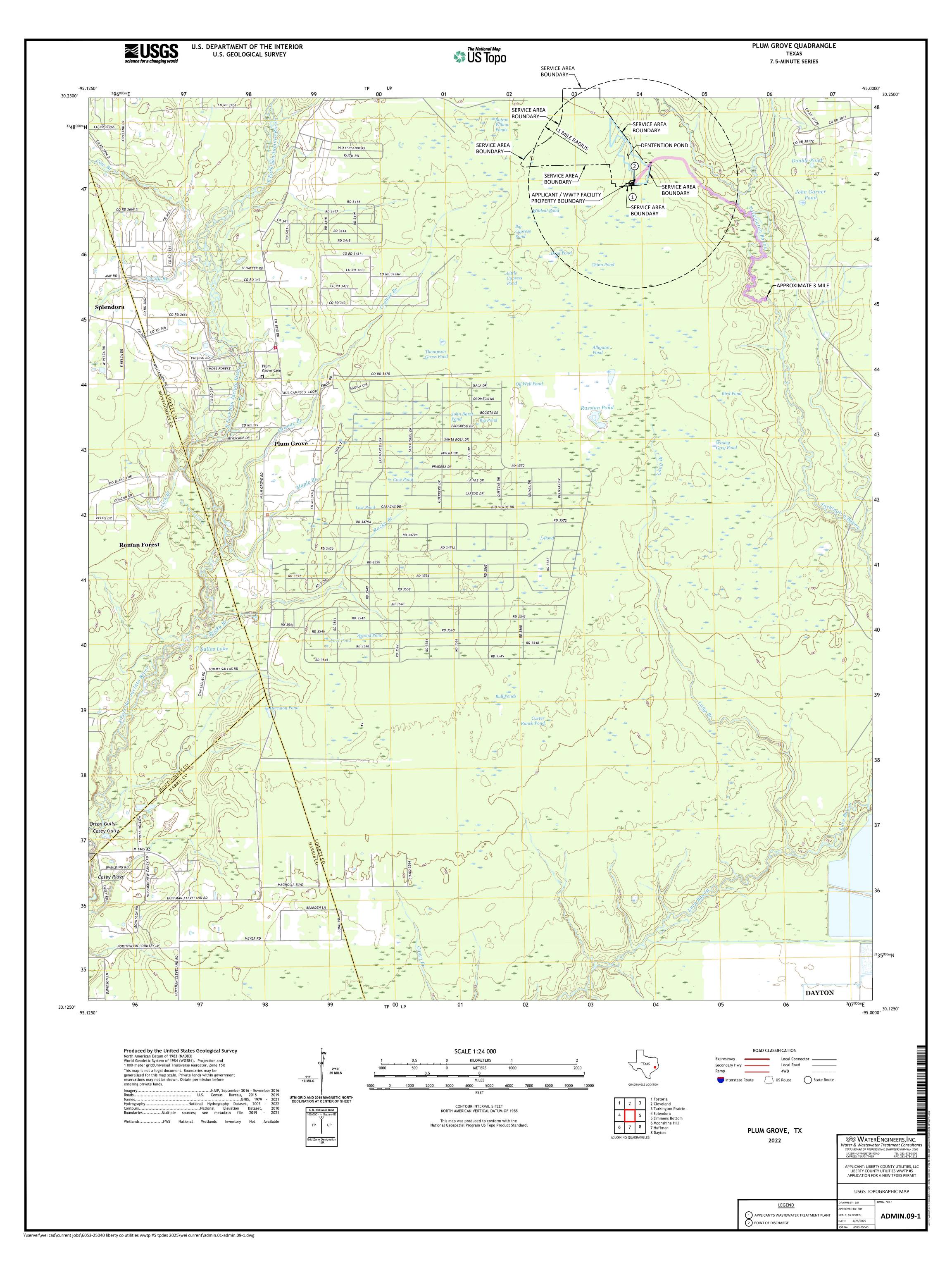
answer specific questions about the property.
Prefix (Mr., Ms., Miss): Ms.
First and Last Name: Shelley Young
Credential (P.E, P.G., Ph.D., etc.): <u>P.E.</u>
Title: Engineer
Mailing Address: 17230 Huffmeister Road, Suite A
City, State, Zip Code: Cypress, TX 77429
Phone No.: <u>281-373-0500</u> Ext.: Click here to enter text. Fax No.: <u>281-373-1113</u>
E-mail Address: syoung@waterengineers.com
List the county in which the facility is located: <u>Liberty</u>
If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.
N/A
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 Liberty County Municipal Management District #1 detention pond for
Section 15; thence to an unnamed tributary of Tarkington Bayou; thence to Luce Bayou; thence to Lake Houston in Segment No. 1002 of the San Jacinto River Basin.
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).
required in addition to the map in the administrative report). Provide original photographs of any structures 50 years or older on the property.
required in addition to the map in the administrative report).
required in addition to the map in the administrative report). Provide original photographs of any structures 50 years or older on the property.
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.
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
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 Usual effects that could damage or detract from a historic property's integrity

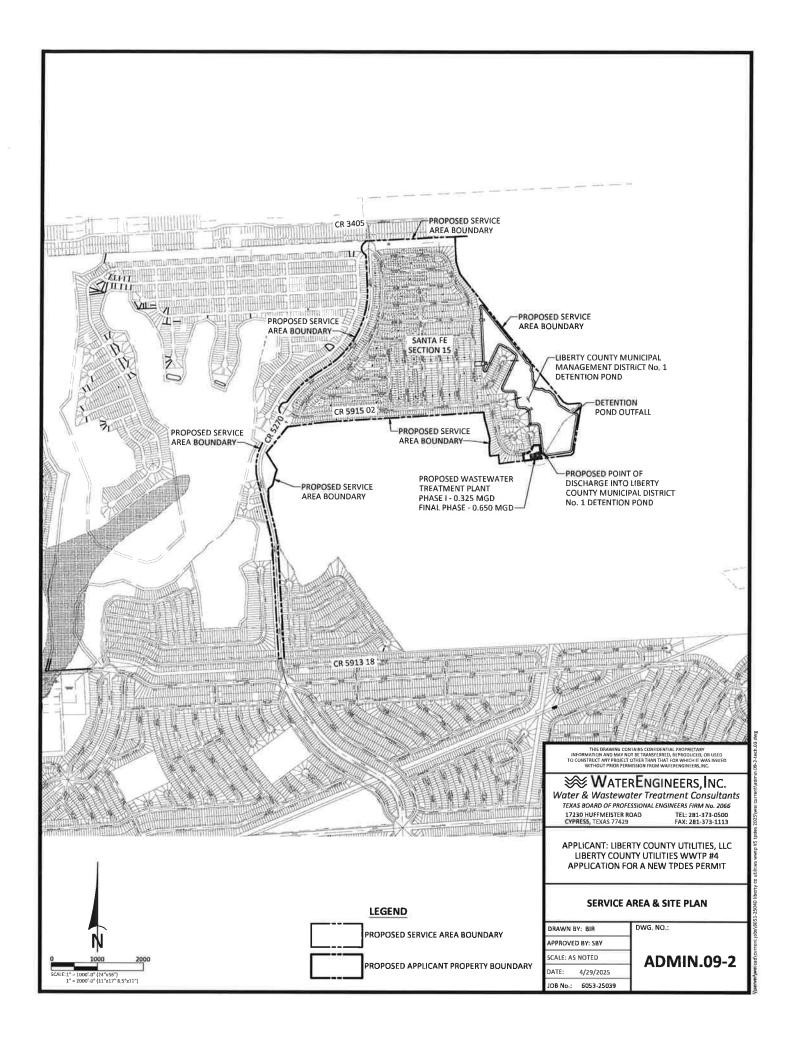
2.3.

4.

5.

	☐ 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 3.0 acres. Excavation is not expected to be more than 10-12'. Other disturbances will include clearing and grubbing of the site.
2.	Describe existing disturbances, vegetation, and land use:
	Land is currently vacant.
	E FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR IENDMENTS TO TPDES PERMITS
3.	List construction dates of all buildings and structures on the property:
	See No. 2 above
4.	Provide a brief history of the property, and name of the architect/builder, if known.
	See No. 2 above





ATTACHMENT ADMIN.10 Request for Permission to Discharge Letter

(Reference Administrative Report 1.0, Page 9, Section 10C)

WATER & WASTEWATER TREATMENT CONSULTANTS 17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643

Tel: 281-373-0500 Fax: 281-373-1113

April 10, 2025

Mr. William Harris III, President Liberty County Municipal Management District #1 c/o Coats Rose, PC 9 Greenway Plaza, Suite 1000 Houston, Texas 77046

Re: Liberty County Utilities, LLC

Liberty County Utilities WWTP #5

Dear Mr. Harris:

Please accept this letter as a formal request for permission to discharge into the Liberty County Municipal Management District #1 Detention Pond located on the east side of Section 15. The discharge will be from the Liberty County Utilities WWTP #5 (to be located in Santa Fe Section 15, Block 1, Reserve J) owned by Liberty County Utilities, LLC. Liberty County Utilities, LLC is serving part of the development known as the Santa Fe residential subdivision in northwest Liberty County.

Liberty County Utilities, LLC is applying to the Texas Commission on Environmental Quality for a TPDES permit to discharge 0.650 mgd of treated wastewater effluent with proposed effluent quality parameters of 10 mg/l CBOD5, 15 mg/l TSS, 3 mg/l NH3-N and 4 mg/l DO. The WWTP will be located approximately 3.5 miles east of the intersection of County Road 341 and Plum Grove Road (FM 1010) in Liberty County. The proposed discharge will be located at latitude 30.237725 and longitude -95.037417 (Please see attached map).

Should you have any questions or require any additional information, please feel free to call me.

Sincerely, WATERENGINEERS, INC.

Shelley Young

Shelley Young, P.E.

Encl. as noted

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 LIBERTY COUNTY UTILITIES WWTP #5 PHASE I - 325,000 GPD CAPACITY (4Q) FINAL PHASE - 650,000 GPD CAPACITY (4Q)

THAT THAT	WWTP # 1	wwrp#3	Composito
Parameter	Value	Value	Composite Value
INFLUENT CONDITIONS % of Flow to Each Plant	50.0%	50.0%	
Average Daily Flow, mgd	0.325	0.325	0.650
Ratio Average/Peak Flow Peak 2-Hour Flow, mgd	4.00 1.300	4.00 1.300	4.00 2.600
BOD, mg/l	300	300	300
BOD, Ib/day TREATMENT UNITS	813	813	1626
Tank Wall Height, ft	12	12	12
Tank Freeboard, ft Side Water Depth, ft	1.5 10.5	1.5 10.5	1.5 10.5
ACTIVATED SLUDGE PLANT		1.00	10.0
Anoxic/Selector Zone Design Detention, hrs	2	2	2
Required Volume, cu ft	3,621	3,621	7242
Required Volume, Gallons Anoxic Basin Depth, ft	27,083 10.5	27,083 10.5	54167
Required Anoxic Basin Surface Area, sq fl	345	345	690
Actual Anoxic Basin Surface Area, sq ft Actual Anoxic Basin Volume, cu ft	372 3,906	372	744
Detention, hours	2,16	3,906 2,16	7,812 2,16
Air Supply, scfm/1000 cu ft Air Supply, scfm	20 78	20 78	156
Aeration Basin Oxic Zones	70	10	156
Aeration Basin Loading, lb BOD/1000 cu fl	30	30	30
Aeration Basin Volume, cu ft Aeration Basin Depth, ft	27,105 10,25	27,105 10,25	54,210 10.25
Req'd Aeration Basin Surface Area, sq ft	2,644	2,644	5,289
Actual Aeration Basin Surface Area, sq ft Actual Aeration Basin Volume, cu ft	2,662 27,286	2,662 27,286	5,324 54,571
Total Aerated Volume (Anoxic + Aerobic), cu ft	31,192	31,192	62,383
Aeration Basin Loading, # BOD/1000 cf Detention, hours	26.1 17.23	26.1 17.23	
O2 Req'd @ 2.2, # O2/lb BOD	1,789	1,789	
Correction Factor for Fine Bubble Air Diffuser Submergence, ft	0.45 9.50	0.45 9.50	
Air Diffuser Efficiency, %/ fl sub	0.017	0.017	
Air Diffuser eff., % Required Aeration Basin Air Flow Rate, scfm	16.2% 913	16,2% 913	
Mixed Liquor Temperrature, deg C	30	30	
Air Supply Temperature Correction Factor	1,268	1,268	2244
Corrected Air Supply Rate, scfm No. of Tube Diffuser Membranes (36,4" long)	1,157 66	1,157 86	2,314 172
Active membrane surface area/diffuser, sq ft	2.54	2,54	
Diffuser air flow, scfm/SF of membrane Air Supply, scfm/1000 cf	5.30 33	5,30 34	
R.S. Alrlift Air, scfm	52	52	105
Skimmer Airlift Air, scfm Clarifier	5	5	10
Selected Internal Diameter, ft	40	40	
Side Water Depth, ft Total Area sq fl	10.35 1,257	10.35 1,257	2,513
Total Volume, cu ft	13,006	13,006	26,012
Avg. SOR, gpd/sq ft Peak SOR, gpd/sq ft	259 1,035	259 1,035	259 1,035
Avg. Detention, hr	7.18	7.18	7.18
Peak Delention, hr Max Qr @ 400 mgd/sf, mgd	1.80 0.503	1.80	1.80 1.005
Max Qp + Qr, mgd	1.803	1.803	3.605
CHLORINATION TO THE PROPERTY OF THE PROPERTY O	24		
Min. Detention, min. Side Water Depth, ft	24 8.83	24 8.83	
Minimum Volume, cu ft	2,897	2,897	5,793
Min. Surface Area, sq ft Actual Surface Area, sq ft	328 320	328 320	656 640
Actual Volume, cu ft	2,826	2,826	5,651
Detention @ Qp, minutes Air Supply @ 10 scfm/1000 cf	23.4 28	23.4 28	23.4 57
DECHLORINATION			-
Min. Detention, min. Side Water Depth, ft	N/A N/A	0.5 8.83	
Minimum Volume, cu ft	N/A	181	181
Min. Surface Area, sq ft Actual Surface Area, sq ft	N/A N/A	21	21 20
Actual Volume, cu ft	N/A	177	177
Detention @ Qp, minutes	N/A	0.5	2
Air Supply @ 10 scfm/1000 cf AEROBIC DIGESTION	N/A	2	2
Reg'd Loading, cu ft/# BOD	22.5	22,5	22.5
Required Volume, cu ft Basin Depth, ft	18,296 10.5	18,296 10.5	36,592
Min. Surface Area, sq ft	1,742	1,742	3,485
Actual Surface Area, sq ft Total Actual Volume, cu ft	1,744 18,312	1,744 18,312	3,489 36,624
Loading, cu ft/# BOD	22.5	22,5	22.5
Air Supply Rate, scfm/1000 cu ft Total Air Supply, cfm	25 458	25 458	25 916
No. diffuser membranes (2/diffuser)	80	80	160
Airflow/diffuser membrane, scfm AIR BLOWERS	5.72	5.72	
Anoxic Basin, scfm	78	. 78	156
Oxic Basins, scfm RAS Airlift, scfm	1,157 52	1,157	2,314 105
Scum Airlift, scfm	5	52 5	105
Chlorine Contact Basin, scfm	28	28	57
Dechlorination Basin, scfm Aerobic Digester Basin, scfm	N/A 45B	2 - 458	2 916
Total Air Supply Required, scfm	1,779	1,780	3,559
No, of Blowers Capacity, scfm	2 1,500	2 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

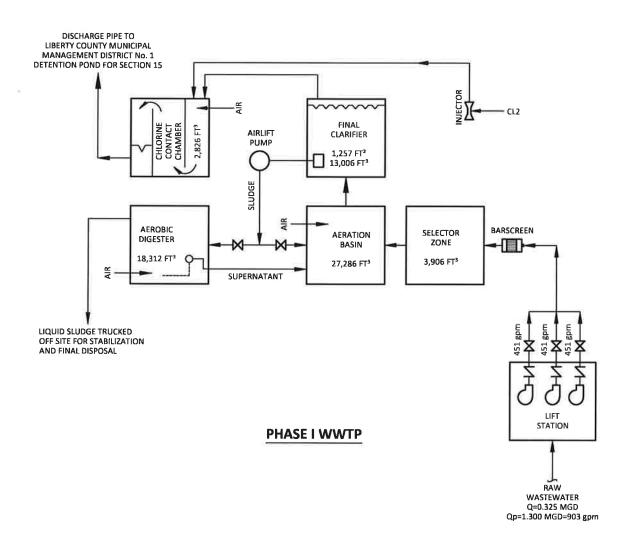
The Liberty County Utilities WWTP #5 facilities will be designed to provide a high degree of mechanical reliability consistent with TCEQ Design Criteria. The following describe design features that will be incorporated at the facilities to prevent bypassing or overflows of untreated wastewater:

- A. The plant will have an equalization basin at the beginning so that high flows will be evened out over longer time periods. No infiltration/inflow is anticipated since the collection system will be new and not subject to the effects of age and deterioration at this time.
- B. The electrical service that will serve the Liberty County Utilities WWTP #5 is reliable with most outages lasting less than 2-4 hours. However, Liberty County Utilities, LLC plans to purchase a generator to operate necessary plant components during extended outages.
- C. All mechanical units, such as influent pumps, blowers and chemical feed pumps will be installed with spare units in the event a piece of equipment is out of service for repairs.
- D. Plant units will be maintained per TCEQ standards and repaired as quickly as possible should failure occur.
- E. The facilities will include an auto-dialer that will call the operator in case of power outages, blower malfunctions, lift station malfunctions or high-water alarm situations.

ATTACHMENT TECH.02

Process Flow Diagram

(Reference Technical Report Page 2, Question 2c)



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WITHOUT PRICE PERMISSION FROM WATERINGINEERS, INC.

WATER ENGINEERS, INC.

Water & Wastewater Treatment Consultants TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066

17230 HUFFMEISTER ROAD TEL: 281-373-0500 CYPRESS, TEXAS 77429 FAX: 281-373-1113

APPLICANT: LIBERTY COUNTY UTILITIES, LLC LIBERTY COUNTY UTILITIES WWTP #5 APPLICATION FOR A NEW TPDES PERMIT

FLOW SCHEMATIC

DRAWN BY: BIR

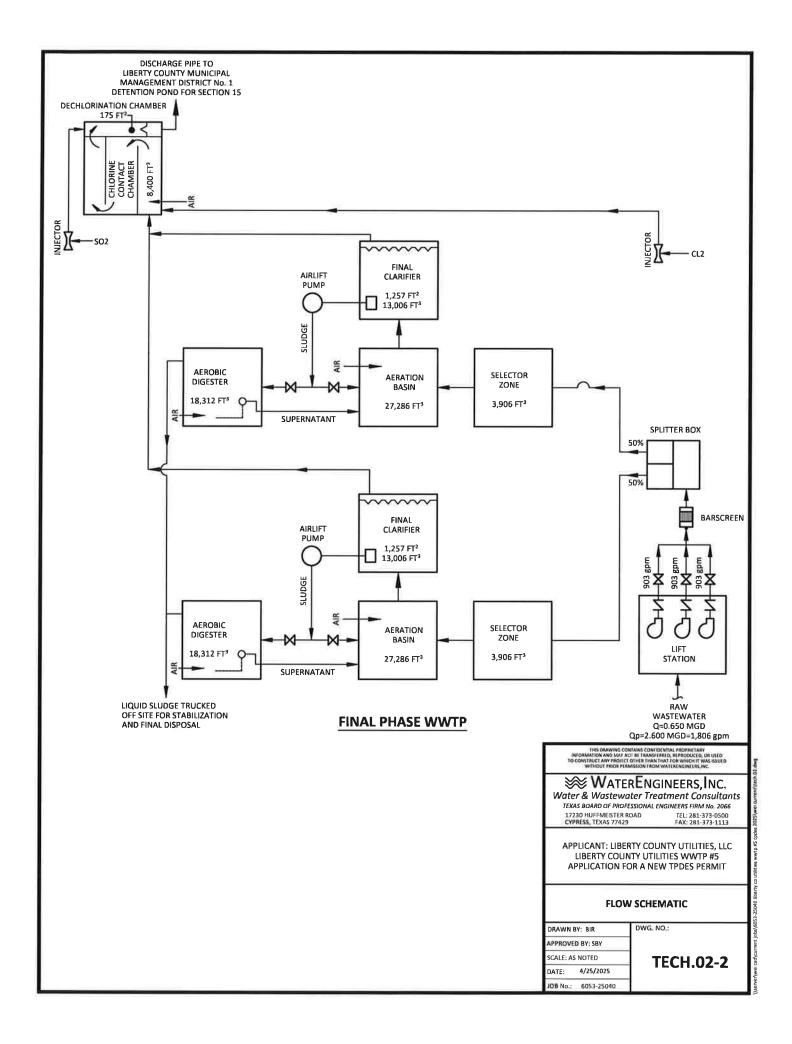
APPROVED BY: SBY

SCALE: AS NOTED

DATE: 4/25/2025

JOB No.: 6053-25040

TECH.02-1



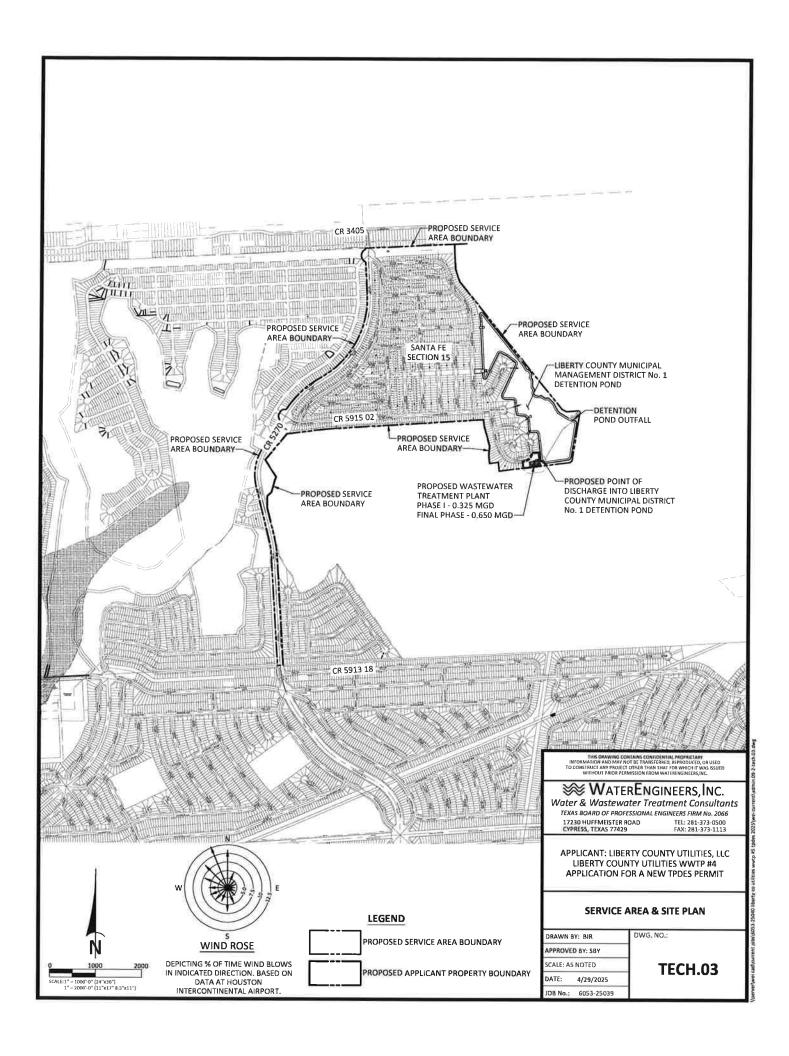
ATTACHMENT TECH.03

Site Drawing

(Reference Technical Report Page 2, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 23, Question 7)



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 Liberty County Utilities WWTP #5 (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 325,000 gpd and 650,000 gpd.

2. Dimensions and Capacities

The Phase I treatment facility will have dual digesters with a total volume of 18,312 cu. ft., a surface area of 1,744 sq. ft. and a 10.5 ft. side water depth. The Phase I digesters will provide a total design flow loading of 22.5 cu. ft./1b BOD. The Final Phase treatment facility will add identical units as in Phase I for a total volume of 36,624 cu. ft., surface area of 3,488 sq. ft. and a 10.5 ft. side water depth. The Final Phase digesters will provide a total design flow loading of 22.5 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	611	459	306	153
Final Phase	1,223	918	612	306

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	10	3,710	13.25	3,688	20	3,713	40	3,715
Phase II	10	3,710	13.25	3,688	20	3,713	40	3,715

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.

	_	% Flow acity	@ 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	89,226	2.0	66,949	2.0	44,646	2.0	22,332
Phase II	2.0	178,453	2.0	133,898	2.0	89,293	2.0	44,663

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 - 325,000 GPD CAPACITY (4Q) LIBERTY COUNTY UTILITIES WWTP #5

INFLUENT CONDITIONS				
Design Flow Rate, mgd 0.325		Aeration Vol, cu	f t	27,286
Infl. BOD, mg/l 300		Clarifier Diamete		40
Infl. TSS, mg/l 240		Clarifier Side Wa		10.35
Infl. VSS, mg/l		Clarifier Surface	•	1,257
BOD Loading, lb/day 813		Clarifier Volume,		13,006
BOD Load, #/1000 cu ft 29.8		Temperature, de		20
25.0		remperature, de	y C	20
Actual Plant Loading, %	100%	75%	50%	25%
Actual Flow Rate, mgd	0.325	0.2438	0.1625	0.0813
BOD Loading, #/Day	813	610	407	203
Ret. Sludge Rate, gpd/sq ft	250	250	250	250
Ret. Sludge Flow, mgd	0.31	0.31	0.31	0.31
t = Aeration Time, days	0.63	0.84	1.26	2.51
ts = Sludge Age, Days	10	13.25	20	40
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.240	0.181	0.120	0.060
F = Effl Soluble BOD	1.321	0.992	0.662	0.331
Ma = Active Mass	971	966	974	975
Me = Endogenous Mass	560	557	561	561
Mi = Inert Organic Mass	1,070	1,063	1,070	1,070
Mii = Inert Inorganic Mass	1,109	1,102	1,109	1,109
Mt = Total Mass, mg/l	3,710	3,688	3,713	3,715
Total Mass in Aeration Basin, Ib	6,314	6,278	6,321	6,324
Lb BOD/Lb MLSS/Day	0.129	0.097	0.064	0.032
Effl TSS, mg/l	7.4	7.4	7.4	7.4
Effl BOD, mg/l	2.6	2.2	1.9	1.6
Sludge Accumulation, lb/day	631	474	316	158
TSS Lost In Effluent, lb/day	20	15	10	5
Waste Sludge, lb/day	611	459	306	153
Return Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Waste Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Waste Sludge Flow, gpd	9,712	8,399	6,512	3,925
		•	,	-,-
AEROBIC DIGESTER	40.040			
Volume, cu ft	18,312	20.0	45.0	00.4
Design Loading, cu ft/lb BOD	22.5	30.0	45.0	90.1
Incoming Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	37.4	50	75	149
Infl Total Solids, Ib/day	611	459	306	153
Infl Active Mass, lb/day	160	120	80	40
Effl Active Mass, lb/Day	16	12	8	4
Active Mass Red., lb/day	115	87	58	29
Digester Effl Solids, lb/day	496	372	248	124
Sludge Disposed, lb/mg	1,526	1,527	1,528	1,528
Sludge Disposed, tons/mg	0.76	0.76	0.76	0.76
Sludge Hauled, gal/day	2,974	2,232	1,488	744
Sludge Hauled, gal/month	89,226	66,949	44,646	22,332

ATTACHMENT TECH.04-02

PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS FINAL PHASE - 650,000 GPD CAPACITY (4Q) LIBERTY COUNTY UTILITIES WWTP #5

INELLIENT CONDITIONS				
INFLUENT CONDITIONS Design Flow Rate, mgd 0.656	n	Aprotion Val	4	E 4 E 7 4
Infl. BOD, mg/l		Aeration Vol,		54,571
Infl. TSS, mg/l 240		Clarifier Diame Clarifier Side V		40 10.35
Infl. VSS, mg/l 192			• •	10.35
BOD Loading, lb/day 1,626		Clarifier Surfa		2,513
		Clarifier Volun		26,012
BOD Load, #/1000 cu ft 29.8	•	Temperature,	deg C	20
Actual Plant Loading, %	1	0.75	0.5	0.25
Actual Flow Rate, mgd	0.65	0.4875	0.325	0.1625
BOD Loading, #/Day	1626	1220	813	407
Ret. Sludge Rate, gpd/sq ft	250	250	250	250
Ret. Sludge Flow, mgd	0.63	0.63	0.63	0.63
t = Aeration Time, days	0.63	0.84	1.26	2.51
ts = Sludge Age, Days	10	13.25	20	40
Km = BOD Removal Metabolic Factor	360	360	360	360
Ks = Synthesis Factor	250	250	250	250
Ke = Endogenous Metabolism Factor	0.240	0.181	0.120	0.060
F = Effl Soluble BOD	1.321	0.992	0.662	0.331
Ma = Active Mass	971	966	974	975
Me = Endogenous Mass	560	557	561	561
Mi = Inert Organic Mass	1,070	1,063	1,070	1,070
Mii = Inert Inorganic Mass	1,109	1,102	1,109	1,109
Mt = Total Mass, mg/l	3,710	3,688	3,713	3,715
Total Mass in Aeration Basin, Ib	12,629	12,556	12,641	12,648
Lb BOD/Lb MLSS/Day	0.129	0.097	0.064	0.032
EffI TSS, mg/l	7.4	7.4	7.4	7.4
Effl BOD, mg/l	2.6	2.2	1.9	1.6
Sludge Accumulation, lb/day	1263	948	632	316
TSS Lost In Effluent, lb/day	40	30	20	10
Waste Sludge, lb/day	1223	918	612	306
Return Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Waste Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Waste Sludge Flow, gpd	19,424	16,798	13,023	7,850
	,		,	,,,,,,
AEROBIC DIGESTER	20.004			
Volume, cu ft	36,624	20	45	00
Design Loading, cu ft/lb BOD	23	30	45	90
Incoming Sludge Conc, mg/l	7,547	6,550	5,634	4,676
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000
Detention, Days	37 4 222	50	75	149
Infl Total Solids, lb/day	1,223	918	612	306
Infl Active Mass, lb/day	320	240	160	80
Effl Active Mass, lb/Day	32	24	16	8
Active Mass Red., lb/day	230	173	115	58
Digester Effl Solids, lb/day	992	744	496	248
Sludge Disposed, lb/mg	1,526	1,527	1,528	1,528
Sludge Disposed, tons/mg	0.76 5.048	0.76	0.76	0.76
Sludge Hauled, gal/month	5,948 178 453	4,463	2,976	1,489
Sludge Hauled, gal/month	178,453	133,898	89,293	44,663

ATTACHMENT TECH.06 Development Schedule

(Reference Technical Report Page 20, Section 1A)

LIBERTY COUNTY UTILITIES, LLC LIBERTY COUNTY UTILITIES WASTEWATER TREATMENT PLANT #5 WQ00 NEW

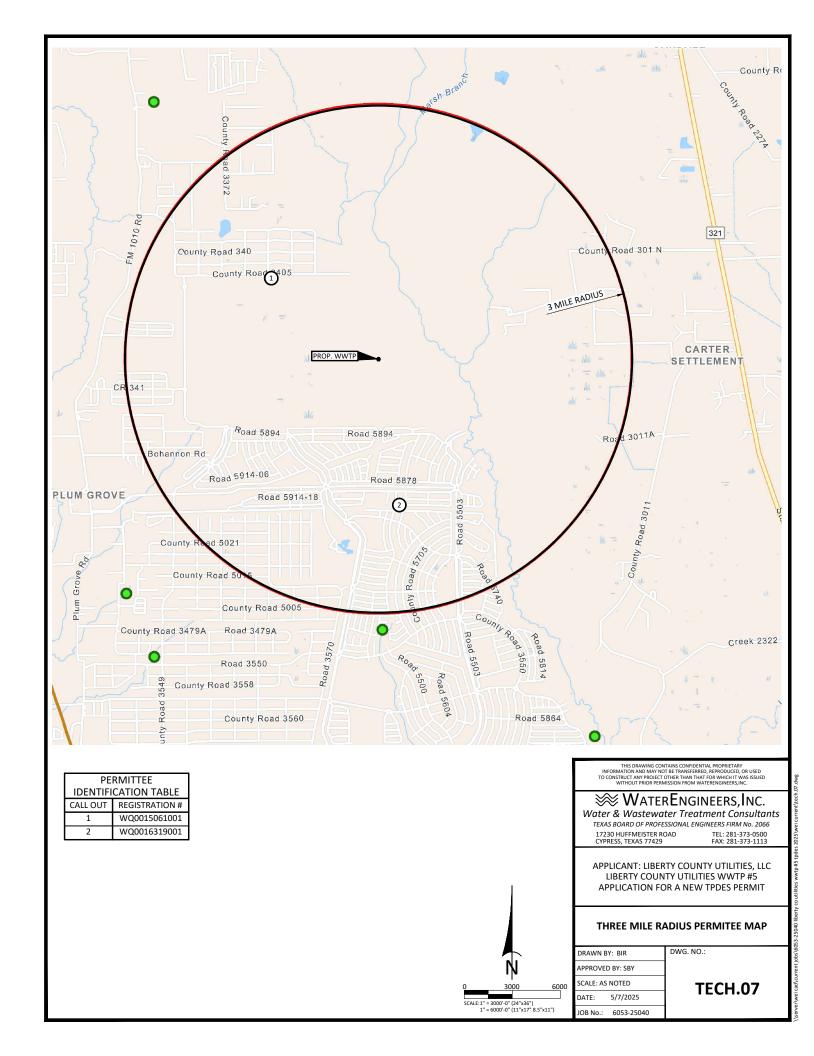
DEVELOPMENT SCHEDULE

YEAR	NUMBER OF ESFC CONNECTIONS		
			GALLONS
	ANNUAL	TOTAL	TO WWTP
End 2027	300	300	64500 1ST 0.325 mgd WWTP operational
End 2028	300	600	129000
End 2029	300	900	193500
End 2030	300	1200	258000
End 2031	300	1500	322500 Q2 begin construction of 2nd 0.325 mgd WWTP
End 2032	300	1800	387000
End 2033	300	2100	451500
End 2034	300	2400	516000
End 2035	300	2700	580500
End 2036	202	2902	623930

ATTACHMENT TECH.07 Map and List of Facilities within 3 Miles and

Service Request Letters

(Reference Technical Report Page 20, Section 1B3)



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

April 10, 2025

Liberty County Utilities LLC P.O. Box 279 New Waverly, Texas 77358-0279

emailed to: marshwaterman@aol.com

Re:

TCEQ Waste Discharge Permit No. WQ0016319001

Dear Permittee:

We are writing to you on behalf of Liberty County Utilities, LLC regarding a proposed wastewater treatment plant project to serve a portion of the single-family development, known as Santa Fe in Liberty County, located approximately 3.3 miles east of FM 1010 Road and Road 7000, as shown on the attached map. The proposed wastewater system will serve approximately 2,902 equivalent single-family connections. Liberty County Utilities, LLC is in the process of applying for a new TCEQ TPDES Permit to discharge 650,000 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 650,000 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: Liberty County Utilities, LLC

	REPLY
Date of Reply: 41125	Signature:
Name of Permittee: LCO	Printed Name: 5 Marksh
Capacity Available (Yes / No)?	Title: pnes
Terms (if available)	•
	Telephone: 713-302-3525
	Email:

WATER & WASTEWATER TREATMENT CONSULTANTS 17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643

Tel: 281-373-0500 Fax: 281-373-1113

emailed to: marshwaterman@aol.com

April 10, 2025

Liberty County Utilities LLC P.O. Box 279 New Waverly, Texas 77358-0279

Re: TCEQ Waste Discharge Permit No. WQ0015967001

Dear Permittee:

We are writing to you on behalf of Liberty County Utilities, LLC regarding a proposed wastewater treatment plant project to serve a portion of the single-family development, known as Santa Fe in Liberty County, located approximately 3.3 miles east of FM 1010 Road and Road 7000, as shown on the attached map. The proposed wastewater system will serve approximately 2,902 equivalent single-family connections. Liberty County Utilities, LLC is in the process of applying for a new TCEQ TPDES Permit to discharge 650,000 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 650,000 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: Liberty County Utilities, LLC

REPL	Y
Date of Reply:	Signature:
	Telephone:



WATER & WASTEWATER TREATMENT CONSULTANTS

17230 HUFFMEISTER ROAD, SUITE A~CYPRESS, TEXAS 77429-1643 Tel: 281-373-0500 FAX: 281-373-1113

April 10, 2025

Quadvest LP 26926 FM 2978 Magnolia, TX 88354

emailed to: murback@quadvest.com

Re:

TCEQ Waste Discharge Permit No. WQ0015061001

Dear Permittee:

We are writing to you on behalf of Liberty County Utilities, LLC regarding a proposed wastewater treatment plant project to serve a portion of the single-family development, known as Santa Fe in Liberty County, located approximately 3.3 miles east of FM 1010 Road and Road 7000, as shown on the attached map. The proposed wastewater system will serve approximately 2,902 equivalent single-family connections. Liberty County Utilities, LLC is in the process of applying for a new TCEQ TPDES Permit to discharge 650,000 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 650,000 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: Liberty County Utilities, LLC

Date of Reply: 4/11/25	Printed Name: MAKIC L. URBICK Title: LVP - Comes TRUCTION & SWAMOCONNER
Name of Permittee:	Printed Name: MAKIC L. URBICK
Capacity Available (Yes / No)	Title: EVP - Comes TRUCTION & BNGMESSEUR
Terms (if available)	Address:
9	
	Telephone:
	Email:

Candice Calhoun

From: Shelley Young <syoung@waterengineers.com>

Sent: Monday, May 19, 2025 2:22 PM

To: Candice Calhoun

Subject: RE: Application for Proposed Permit No. WQ0016813001 - Notice of Deficiency Attachments: Admin Page 8.pdf; ADMIN.06~Downstream.doc; Labels.docx; Public Notice~Liberty

County Utilities #5~NORI~Spanish.docx

Hello Candice,

Per your earlier email and NOD letter dated May 19, 2025, please accept the following:

- 1. Section 10, Item A: The facility location has been updated to reflect the description in your letter. Please see attached Admin Page 8.
- 2. The landowner map shows the detention pond with ½ mile on each side of the discharge point into the pond. During wet weather flows, the pond will over flow as shown on the USGS map. The USGS map does show the pond.
- 3. The landowner list has been updated to show owners 33 and 34. Please see attached.
- 4. The landowner labels have been updated and attached.
- 5. The portion of the NORI looks fine.
- 6. Please find attached the Spanish version of the NORI.

Please let me know if you have any questions.

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: Monday, May 19, 2025 10:04 AM

To: Shelley Young <syoung@waterengineers.com>

Subject: Application for Proposed Permit No. WQ0016813001 - Notice of Deficiency

Importance: High

Good morning, Shelley,

The attached Notice of Deficiency (NOD) letter dated <u>May 19, 2025</u>, requests additional information needed to declare the application administratively complete. Please send complete response to my attention no later than <u>June 2, 2025</u>.

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

E.	Owner of effluent disposal site:			
	Prefix: 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 agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.		
	Attachment: Click to enter te	xt.		
F.	Owner sewage sludge disposal si property owned or controlled by	ite (if authorization is requested for sludge disposal on 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 ente	er text.		
	Mailing Address: Click to enter to	ext. 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 te	xt.		
Se	ction 10. TPDES Dischar	ge Information (Instructions Page 31)		
		ge Information (Instructions Page 31) lity location in the existing permit accurate?		
		<u> </u>		
	Is the wastewater treatment facil	lity location in the existing permit accurate? on, please give an accurate description:		
	Is the wastewater treatment facil	lity location in the existing permit accurate?		
A.	Is the wastewater treatment facilities. Yes No If no , or a new permit application Approximately 3.5 miles east-north Market Road 1010.	bn, please give an accurate description: heast of the intersection of County Road 341 and Farm-to-		
A.	Is the wastewater treatment facility Yes No If no, or a new permit application Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and	lity location in the existing permit accurate? on, please give an accurate description:		
A.	Is the wastewater treatment facility Yes No If no, or a new permit application Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and Permit No If no, or a new or amendment proport of discharge and the discharge and the discharge TAC Chapter 307: From the plant site to Liberty Country No	by location in the existing permit accurate? on, please give an accurate description: heast of the intersection of County Road 341 and Farm-to- If the discharge route(s) in the existing permit correct? The ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 and the management District No. 1 drainage ditch, thence		
A.	Is the wastewater treatment facility Yes No If no, or a new permit application Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and Permit No If no, or a new or amendment proport of discharge and the discharge and the discharge TAC Chapter 307: From the plant site to Liberty Country No	by lease give an accurate description: heast of the intersection of County Road 341 and Farm-to- If the discharge route(s) in the existing permit correct? Hermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 by Municipal Management District No. 1 drainage ditch, thence as Branch; thence to East Fork San Jacinto River in Segment No.		
A.	Is the wastewater treatment faciliated. Yes No If no, or a new permit application of Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and Property No If no, or a new or amendment property point of discharge and the discharge and the discharge and the plant site to Liberty Court to Orange Branch; thence to Maple 1003 of the San Jacinto River Basin	bity location in the existing permit accurate? on, please give an accurate description: heast of the intersection of County Road 341 and Farm-to- If the discharge route(s) in the existing permit correct? Fermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 and Municipal Management District No. 1 drainage ditch, thence as Branch; thence to East Fork San Jacinto River in Segment No.		
A.	Is the wastewater treatment faciliated. Yes No If no, or a new permit application Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and No If no, or a new or amendment proportion of discharge and the discharge and the discharge and the plant site to Liberty Court to Orange Branch; thence to Maple 1003 of the San Jacinto River Basin City nearest the outfall(s): Clevelar	bity location in the existing permit accurate? on, please give an accurate description: heast of the intersection of County Road 341 and Farm-to- If the discharge route(s) in the existing permit correct? Permit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 and Municipal Management District No. 1 drainage ditch, thence a Branch; thence to East Fork San Jacinto River in Segment No. In and		
А.	Is the wastewater treatment faciliated. Yes No If no, or a new permit application Approximately 3.5 miles east-north Market Road 1010. Are the point(s) of discharge and Description No If no, or a new or amendment proportion of discharge and the discharge and the discharge and the plant site to Liberty Court to Orange Branch; thence to Maple 1003 of the San Jacinto River Basin City nearest the outfall(s): Clevels County in which the outfalls(s) is	by please give an accurate description: heast of the intersection of County Road 341 and Farm-to- late discharge route(s) in the existing permit correct? Hermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 by Municipal Management District No. 1 drainage ditch, thence to Branch; thence to East Fork San Jacinto River in Segment No. In. Head Solare located: Liberty discharge to a city, county, or state highway right-of-way, or		

MARIO REYES 12807 MURR WAY HOUSTON TX 77048 YAIMARA JIMENEZ & NOEL AGUILAR 5757 GUHN ROAD APT 133 HOUSTON TX 77040

LIZBETH MORENO 6631 DEL BELLO ROAD MANVEL TX 77578 LIBERTY COUNTY MUNICIPAL MANAGEMENT DISTRICT #1 9 GREENWAY PLAZA SUITE 1000 HOUSTON TX 77046 TARKINGTON BAYOU MITIGATION LLC 700 UNIVERSE BLVD PSX/JB JUNO BEACH FL 33408

JHON JARAMILLO 1360 COUNTY ROAD 3560 CLEVELAND TX 77327 COLONY RIDGE DEVELOPMENT LLC P O BOX 279 FRESNO TX 77545 NOHEMY ARIAS 2606 SUNBIRD DRIVE HOUSTON TX 77084

MELVA BOTERO 4431 WINDMILL RUN HOUSTON TX 77069 VICTOR AGUDELO 2606 SUNBIRD DRIVE HOSUTN TX 77084 JESUS GUEVARA 3802 BRIAR WATER CT KATY TX 77449

MARTIN PENA 6666 CHETWOOD DR APT 165 HOUSTON TX 77081 MARTIN VAZQUEZ & DILCIA AMAYA 5711 YALE ST TRLR 17 HOUTONN TX 77076 JOSE HIDALGO & YANERKI HERRERA 7575 BELLAIRE BLVD APT 15G HOUSTON TX 77036

OMAR GARCIA & LILIA JARAMILLO 18331 AUTUMN TRAILS LN KATY TX 77449 ANA ESTRADA 1006 VELLER DRIVE HOUSTON TX 77032 YADIRA BAEZ 7055 HOLLISTER ST APT 128 HOUSTON TX 77040

VICTOR & MONICA HERNANDEZ 5100 BAKER ROAD NEEDVILLE TX 77461 LORENA ARANDA & PASCUAL CERVANTES 2005 ROAD 5914-13 CLEVELAND TX 77327 ELVIA RAMIREZ & RAFAEL MORENO 428 EDAN AVENUE MODESTO CA 95357

SANTOS FLORES 6911 ROMONA BLVD TRLR 11 HOUSTON TX 77086 CRISTIAN LOEZ 10534 BEECHNUT ST APT 301 HOUSTON TX 77072 CARLOS MONTENEGRO 4050 WEST 1500 NORTH DELTA UT 84624

YUNEISY HORTA 4050 WEST 1500 NORTH DELTA UT 84624 EULOGIA RODRIGUEZ & JOSE RIVERA 4357 LARKSPUR STREET HOUSTON TX 77051 ANA TZALAM 16000 COTILLION DR APT D4 HOUSTON TX 77060

TRINIDAD ACEVEDO & JHON CASAS 5751 GREENHOUSE RD APT 2132 KATY TX 77449

MARCO GODOY & JUANA LARA 719 COTTONTAIL DRIVE CROSBY TX 77532 MA LARA TORRES 516 PLEASANT STREET DAYTONA BEACH FL 32114 GILBERTO GONAZLEZ 7209 NODDING PINES LANE HOUSTON TX 77044 LUIS TORRES 22506 HAMLET PARK CT SPRING TX 77373 JENCY ARMIJO 10201 TELEPHONE ROAD APT 103 HOUSTON TX 77075

ERIN BANKS 6614 STEARNS STREET HOUSTON TX 77021

TABLE "ADMIN.06"

LIBERTY COUNTY UTILITIES, LLC Liberty County Utilities Wastewater Treatment Plant #5

Adjacent & Downstream Land Ownership Table

Source: Liberty County Appraisal District

Tract No.	Title Owner & Address
(See Attachment "ADMIN.06" Map)	MADIO DEVEC
1	MARIO REYES
1	12807 MURR WAY
	HOUSTON TX 77048
2	YAIMARA JIMENEZ & NOEL AGUILAR
2	5757 GUHN ROAD APT 133
	HOUSTON TX 77040
2	LIZBETH MORENO
3	6631 DEL BELLO ROAD
	MANVEL TX 77578
4	NOTHER
4	NOT USED
	I IDEDTY COLDITY MINICIPAL
5	LIBERTY COUNTY MUNICIPAL
5	MANAGEMENT DISTRICT #1
	9 GREENWAY PLAZA SUITE 1000
	HOUSTON TX 77046
	TARKINGTON BAYOU MITIGATION
6	LLC
	700 UNIVERSE BLVD PSX/JB
	JUNO BEACH FL 33408
_	JHON JARAMILLO
7	1360 COUNTY ROAD 3560
	CLEVELAND TX 77327
_	COLONY RIDGE DEVELOPMENT LLC
8	P O BOX 279
	FRESNO TX 77545
	NOHEMY ARIAS
9	2606 SUNBIRD DR
	HOUSTON TX 7084
	MELVA BOTERO
10	4431 WINDMILL RUN
	HOUSTON TX 77069
	VICTOR AGUDELO
11	2606 SUNBIRD DRIVE
	HOUSTON TX 77084

	JESUS GUEVARA
12	3802 BRIAR WATER COURT
12	
	KATY TX 77449
12	MARTIN PENA
13	6666 CHETWOOD DRIVE APT 165
	HOUSTON TX 77081
	MARTIN VAZAUEDZ & DILCIA AMAYA
14	5711 YALE STREET TRLR 187
	HOUSTON TX 77076
	JOSE HIDALGO & YANERKI HERRERA
15	7575 BELLAIRE BLVD APT 15G
	HOUSTON TX 77036
	OMAR GARCIA & LILIA JARAMILLO
16	18331 AUTUMN TRAILS LANE
	KATY TX 77449
	ANA ESTRADA
17	1006 VELLER DRIVE
1 /	HOUSTON TX 77032
	YADIRA BAEZ
10	
18	7055 HOLLISTER STREET APT 128
	HOUSTON TX 77040
	VICTOR & MONICA
19	HERNANDEZ
	5100 BAKER ROAD
	NEEDVILLE TX 77461
	LORENA ARANDA & PASCUAL
20	CERVANTES
	2005 ROAD 5914-13
	CLEVELAND TX 77327
	ELVIA RAMIREZ & RAFAEL MORENO
21	628 EDAN AVENUE
	MODESTO CA 95357
	SANTOS FLORES
22	6911 ROMONA BLVD TRLR 11
22	HOUSTON TX 77086
	CRISTIAN LOPEZ
23	10534 BEECHNUT STREET APT 301
23	
	HOUSTON TX 77072
24	CARLOS MONTENEGRO
24	4050 WST 1500 NORTH
	DELTA UT 84624
	YENEISY HORTA
25	4050 WST 1500 NORTH
	DELTA UT 84624
	EULOGIA RODRIGUEZ & JOSE RIVERA
26	4357 LARKSPUR STREET
	HOUSTON TX 77051
	ANA TZALAM
27	16000 COTILLION DRIVE APT D4
_ ,	HOUSTON TX 77060
	110 001011 111 //000

TRINIDAD ACEVEDO & JHON CASAS
5751 GREENHOUSE RD APT 2132
KATY TX77449
MARCO GODOY & JUANA LARA
719 COTTONTAIL DRIVE
CROSBY TX 77532
MA LARA TORRES
516 PLEASANT STREET
DAYTONA BEACH FL 32114
GILBERTO GONZALEZ
7209 NODDING PINES LANE
HOUSTON TX 77044
LUIS TORRES
22506 HAMLET PARK COURT
SPRING TX 77373
JENCY ARMIJO
10201 TELEPHONE ROAD APT 103
HOUSTON TX 77075
ERIN BANKS
6614 STEARNS STREET
HOUSTON TX 77021