

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

HydroTex, LLC (CN: 606015543) proposes to operate Spring Branch Villas Wastewater Treatment Plant (RN: Proposed), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 1,500 feet northeast of the intersection of Metts Road and Old Highway 105 E., in Cleveland, Montgomery County, Texas 77328. This application is for a new permit to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

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

HydroTex, LLC (CN: 606015543) propone operar Spring Branch Villas Wastewater Treatment Plant RN: Proposed, un Planta de lodos activados convencionales con proceso de nitrificación . La instalación estará ubicada en aproximadamente 1,500 pies al noreste de la intersección de Metts Road y Old Highway 105 E., en Cleveland, Condado de Montgomery, Texas 77328. sta solicitud es para un nuevo permiso para descargar a un flujo promedio diario de 200,000 galones por día de aguas residuales domésticas tratadas .

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días

(CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 (Análisis de contaminantes del efluente tratado) en el paquete de solicitud de permiso. Aguas residuales domésticas de Spring Branch Villas . estará tratado por una planta de lodos activados convencional con proceso de nitrificación y las unidades de tratamiento incluirán una criba de barras, balsa de aireación, un clarificador final, un digestor de lodos y una cámara de contacto de cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016647001

APPLICATION. HydroTex LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016647001 (EPA I.D. No. TX0146803) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 200,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1,500 feet northeast of the intersection of Metts Road and Old Highway 105, near the city of Cleveland, in Montgomery County, Texas 77328. The discharge route will be from the plant site to a series of ditches, thence to Spring Branch, thence to Caney Creek. TCEQ received this application on October 14, 2024. The permit application will be available for viewing and copying at Montgomery County Library - Central Branch, 104 Interstate 45 North, Conroe, in Montgomery 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=-95.26395,30.316398&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 HydroTex LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: November 7, 2024

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ0016647001

SOLICITUD. HydroTex LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016647001 (EPA I.D. No. TX0146803) 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 200,000 por día. La planta estará ubicada aproximadamente 1,500 pies al noreste de la intersección de Metts Road y Old Highway 105, cerca la ciudad de Cleveland en el Condado de Montgomery, Texas 77328. La ruta de descarga estará del sitio de la planta a una serie de zanjas, de allí a Spring Branch, de allí a Caney Creek. La TCEQ recibió esta solicitud el 14 de octubre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en en la Biblioteca del Condado de Montgomery – Sucursal Central, 104 Interestatal 45 Norte, Conroe, en el condado de Montgomery, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web:

https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.26395,30.316398&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

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

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

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

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

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

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

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

También se puede obtener información adicional del HydroTex LLC a la dirección indicada arriba o llamando a Sr. Danny Parks, P.E., WaterEngineers, Inc., al 281-373-0500.

Fecha de emisión el 7 de noviembre de 2024

Water & Wastewater Treatment Consultants Texas Board of Professional Engineers Firm No. 2066

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429

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

Overnight by UPS

October 10, 2024

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

Re: HydroTex, LLC

Application for a New TPDES Permit

Spring Branch Villas Wastewater Treatment Plant

Dear Sir/Ms:

Enclosed please find the original Application for a New Texas Pollution Discharge Elimination System Permit for the proposed Spring Branch Villas Wastewater Treatment Plant in Montgomery County, TX.

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

Sincerely,

WATERENGINEERS, INC.

Danny C. Parks, P.E.

Encl: As noted

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

SPRING BRANCH VILLAS WASTEWATER TREATMENT PLANT

HYDROTEX, LLC 101 PARKLANE BLVD., SUITE 102 SUGAR LAND, TX 77478

PREPARED BY:

Water & Wastewater Treatment Consultants

Texas Board of Professional Engineers Firm No. 2066

17230 HUFFMEISTER RD., SUITE A

CYPRESS, TEXAS 77429

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

October 2024

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

HYDROTEX, LLC

SPRING BRANCH VILLAS WASTEWATER TREATMENT PLANT

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Attachment ADMIN.05 Public Involvement Plan	Administrative Report 1.0 Page 7	8G
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Attachment ADMIN.09 Supplemental Permit Information Form (SPIF) Including USGS Map & Site Plan	Administrative Report 1.0 Page 14	
Attachment TECH.01 Design and Loading Criteria and Design Features for Reliability	Technical Report Page 21	4
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THE COMMISSION OF THE PROPERTY OF THE PROPERTY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: <u>HydroTex, LLC</u>

PERMIT NUMBER (If new, leave blank): WQ00 Proposed

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

	Y	IN		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	\boxtimes	
Core Data Form	\boxtimes		Buffer Zone Map	\boxtimes	
Public Involvement Plan Form	\boxtimes		Flow Diagram	\boxtimes	
Technical Report 1.0	\boxtimes		Site Drawing	\boxtimes	
Technical Report 1.1	\boxtimes		Original Photographs	\boxtimes	
Worksheet 2.0	\boxtimes		Design Calculations	\boxtimes	
Worksheet 2.1		\boxtimes	Solids Management Plan	\boxtimes	
Worksheet 3.0		\boxtimes	Water Balance		\boxtimes
Worksheet 3.1					
Worksheet 3.2					
Worksheet 3.3					
Worksheet 4.0					
Worksheet 5.0					
Worksheet 6.0					
Worksheet 7.0		\boxtimes			

For TCEQ Use Only	
Segment Number	•
Expiration Date	Region
Permit Number	

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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 \square$

Payment	Inform	ation
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Mailed Check/Money Order Number: 1423

Check/Money Order Amount: \$850.00

Name Printed on Check: WaterEngineers, Inc.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes \square

Section 2. Type of Application (Instructions Page 26)

a.	Check the box next to the appropriate authorization type.					
		Publicly-Owned Domestic Wastewater				
	\boxtimes	Privately-Owned Domestic Wastewater				
		Conventional Wastewater Treatment				
b.	Check the box next to the appropriate facility status.					
		Active 🗵 Inactive				
c.	Che	ck the box next to the appropriate permit type.				
	\boxtimes	TPDES Permit				
		TLAP				
		TPDFS Permit with TLAP component				

		Subsurface Area Drip Dispersal	System (SADDS	S)			
d.	L. Check the box next to the appropriate application type						
	\boxtimes	New					
		Major Amendment with Renewa	ıl 🗆]	Minor Amendment <u>with</u> Renewal		
		Major Amendment without Rene	ewal 🗆]	Minor Amendment <u>without</u> Renewal		
		Renewal without changes			Minor Modification of permit		
e.	For	amendments or modifications, d	lescribe the pro	po	sed changes: Click to enter text.		
f.	For	existing permits:					
	Per	mit Number: WQ00 Click to enter	c text.				
	EPA	A I.D. (TPDES only): TX Click to en	iter text.				
	Exp	piration Date: Click to enter text.					
Se	ctio			d	Co-Applicant Information		
		(Instructions Page	26)				
A.	The	e owner of the facility must app	ly for the perm	iit.			
	Wh	at is the Legal Name of the entity	(applicant) app	olyi	ing for this permit?		
	Hyc	droTex, LLC					
		e legal name must be spelled exac legal documents forming the ent		ı tł	ne Texas Secretary of State, County, or in		
					, what is the Customer Number (CN)? http://www15.tceq.texas.gov/crpub/		
		CN: <u>606015543</u>					
		at is the name and title of the per cutive official meeting signatory			pplication? The person must be an 0 TAC § 305.44.		
		Prefix: <u>Mr.</u>	Last Name, Firs	st	Name: <u>Browder, Kevin</u>		
		Title: Chief Operating Officer	Credential: Clic	ck	to enter text.		

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

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

N/A

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

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

CN: Click to enter text.

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

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

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

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

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. <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: Mr. Last Name, First Name: Parks, Danny

Title: <u>Project Engineer</u> Credential: <u>P.E.</u>

Organization Name: WaterEngineers, Inc.

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

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

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

Title: Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc.

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

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

Check one or both:

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: Browder, Kevin

Title: <u>Chief Operating Officer</u> Credential: Click to enter text.

Organization Name: HydroTex, LLC

Mailing Address: 101 Parklane Blvd. STE 102 City, State, Zip Code: Sugar Land, TX 77478

Phone No.: <u>832-607-2964</u> E-mail Address: <u>kevin@trinityresidentialdev.com</u>

B. Prefix: Mr. Last Name, First Name: Vembutty, Sudharshan

Title: Managing Member Credential: Click to enter text.

Organization Name: **SVAG Investments LLC**

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

Phone No.: <u>281-221-2699</u> E-mail Address: <u>shaun@ashtongraydev.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 TCEQ-20029).

Prefix: Ms. Last Name, First Name: Garner, Lacey

Title: Office Manager Credential: Click to enter text.

Organization Name: HydroTex, LLC

Mailing Address: 13985 Hwy 105, STE A City, State, Zip Code: Cut and Shoot, TX 77306

Phone No.: 936-264-2263 E-mail Address: lacey@trinityresidenctialdev.com

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

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

Prefix: Mr. Last Name, First Name: Rodriquez, Roy

Title: Utilities Director Credential: Click to enter text.

Organization Name: HydroTex, LLC

Mailing Address: <u>13985 Hwy 105, STE A</u> City, State, Zip Code: <u>Cut and Shoot, TX 77306</u>

Phone No.: 713-204-4792 E-mail Address: roy@trinityresidentialdev.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Parks, Danny

Title: <u>Project Engineer</u> Credential: <u>P.E.</u>

Organization Name: WaterEngineers, Inc.

Mailing Address: 17320 Huffmeister Rd., Suite A City, State, Zip Code: Cypress, TX 77429

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

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

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

- □ Fax
- ☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Parks, Danny

Title: Project Engineer Credential: P.E.

Organization Name: WaterEngineers, Inc. Mailing Address: 17320 Huffmeister Rd., Suite A City, State, Zip Code: Cypress, TX 77429 Phone No.: 281-373-0500 E-mail Address: danny@waterengineers.com **D. Public Viewing Information** If the facility or outfall is located in more than one county, a public viewing place for each county must be provided. Public building name: Montgomery County Library – Central Branch Location within the building: Reference Desk Physical Address of Building: 104 Interstate 45 North City: Conroe, TX 77301 County: Montgomery Contact (Last Name, First Name): Chris Cross Phone No.: 936-539-7814 Ext.: Click to enter text. E. Bilingual Notice Requirements This information is required for new, major amendment, minor amendment or minor modification, and renewal applications. This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package. Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required. 1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility? \boxtimes No Yes If **no.** publication of an alternative language notice is not required; **skip to** Section 9 below. 2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school? Yes No 3. Do the students at these schools attend a bilingual education program at another location? Yes No 4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

F. Plain Language Summary Template

 \boxtimes

No

Yes

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

required. Which language is required by the bilingual program? Spanish

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are

Attachment: <u>ADMIN.04</u>

G. Public Involvement Plan Form

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

Attachment: <u>ADMIN.o5</u>

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

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

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

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

С.	Owner of treatment fa	cility	: <u>HydroTex, Ll</u>	<u>LC</u>			
	Ownership of Facility:		Public	\boxtimes	Private	Both	Federal

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

Spring Branch Villas Wastewater Treatment Plant

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: HydroTex, LLC

Mailing Address: 101 Parklane Blvd. STE 102 City, State, Zip Code: Sugar Land, TX 77478

Phone No.: <u>936-264-2263</u> E-mail Address: <u>Kevin@trinityresidentialdev.com</u>

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

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

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

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

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

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

Organization Name: Click to enter text.
Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.
Phone No.: Click to enter text. E-mail Address: Click to enter text.
If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.
Attachment: Click to enter text.
ation 10 TDDEC Discharge Information (Instruction Dec. 21)
ection 10. TPDES Discharge Information (Instructions Page 31)
Is the wastewater treatment facility location in the existing permit accurate?
□ Yes □ No
If no , or a new permit application , please give an accurate description: The WWTP will be located approximately 1,500 feet northeast of the intersection of Metts Road
and Old Highway 105 E., Cleveland, TX 77328
Are the point(s) of discharge and the discharge route(s) in the existing permit correct?
□ Yes □ No
If no , or a new or amendment permit application , provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:
From the WWTP, through an effluent pipeline, thence to a man-made drainage ditch, thence to a roadside ditch along Old Highway 105 East flowing northwest, thence to Spring Branch, thence to Caney Creek in Segment No. 1010 of the San Jacinto River Basin.
City nearest the outfall(s): <u>Cleveland</u>
County in which the outfalls(s) is/are located: Montgomery
Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?
□ Yes ⊠ No
If yes , indicate by a check mark if:
☐ Authorization granted ☐ Authorization pending
For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
Attachment: Click to enter text.
For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.
stion 11 TIAD Disposal Information (Instruction Pers 22)
ction 11. TLAP Disposal Information (Instructions Page 32)
For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
□ Yes □ No
If no, or a new or amendment permit application , provide an accurate description of the disposal site location:

B.

C.

D.

A.

	Not a TLAP – N/A
В.	City nearest the disposal site: Click to enter text.
C.	County in which the disposal site is located: Click to enter text.
D.	For TLAPs , describe the routing of effluent from the treatment facility to the disposal site:
	Click to enter text.
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	ection 12. Miscellaneous Information (Instructions Page 32)
A.	Is the facility located on or does the treated effluent cross American Indian Land?
	□ Yes ⊠ No
В.	If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?
	\square Yes \square No \boxtimes Not Applicable
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
	Click to enter text.
C.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?
	□ Yes ⊠ No
	If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Click to enter text.
D.	Do you owe any fees to the TCEQ?
	□ Yes ⊠ No
	If yes , provide the following information:
	Account number: Click to enter text.
	Amount past due: Click to enter text.
E.	Do you owe any penalties to the TCEQ?
	□ Yes ⊠ No
	If yes , please provide the following information:
	Enforcement order number: Click to enter text.
	Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

- Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☐ Original full-size USGS Topographic Map with the following information:
 - Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- Other Attachments. Please specify: (Admin.o1 USGS Topographic Maps) & (ADMIN.o2 Proof of Application Fee) & (ADMIN.o3 Core Data Form) & (ADMIN.o4 Plain Language Summary) & (ADMIN.o5 Public Involvement Plan) & (Admin.o6 Affected Landowner Map and List) & (ADMIN.o7 Site Photographs) & (ADMIN.o8 Buffer Zone Map) & (ADMIN.o9 SPIF Form, USGS Map and Site Plan)

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: New

Applicant: HydroTex, LLC

Certification:

Signature:

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):	Kevin	Browder
0						

Signatory title: Chief Operating Officer

Subscribed and Sworn to before on this	me by the	said Kevin	Porowder
on this 2	day of	October	, 20 24.
My commission expires on the	8	day of De CON	mer 2025

Hacey Francier Parner

Montgoment County, Texas Lacey Browder Garner
Commission Expires
12/8/2025
Notary ID

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

Α.		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
	\boxtimes	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
	\boxtimes	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
В.	⊠ addı	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.
C.	Indi	cate by a check mark in which format the landowners list is submitted:
		☑ USB Drive □ Four sets of labels
D.	Prov Distric	vide the source of the landowners' names and mailing addresses: Montgomery County Appraisal
E.		equired by <i>Texas Water Code § 5.115</i> , is any permanent school fund land affected by application? Yes \square No

	If ye land	s , provide the location and foreseeable impacts and effects this application has on the (s):
	Clic	k to enter text.
Se	ctio	n 2. Original Photographs (Instructions Page 38)
		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
Sa	ctio	n 3. Buffer Zone Map (Instructions Page 38)
		2 \
Α.	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 g 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.
	\triangleright	Ownership
		Restrictive easement
		Nuisance odor control
		l Variance
C.		titable site characteristics. Does the facility comply with the requirements regarding itable site characteristic found in 30 TAC § 309.13(a) through (d)?
		I 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>

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

C D. (. E /TCEO E N 10400)				T 7
Core Data Form (TCEQ Form No. 10400) (Required for all application types. Must be completed in its entirety of Note: Form may be signed by applicant representative.)	and s	igned.		Yes
Correct and Current Industrial Wastewater Permit Application Form (TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or late			\boxtimes	Yes
Water Quality Permit Payment Submittal Form (Page 19) (Original payment sent to TCEQ Revenue Section. See instructions for	· mai	ling add	⊠ dress.	Yes)
7.5 Minute USGS Quadrangle Topographic Map Attached (Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)				Yes
Current/Non-Expired, Executed Lease Agreement or Easement	\boxtimes	N/A		Yes
Landowners Map (See instructions for landowner requirements)		N/A		Yes
 Things to Know: All the items shown on the map must be labeled. The applicant's complete property boundaries must be de boundaries of contiguous property owned by the applicant. The applicant cannot be its own adjacent landowner. You landowners immediately adjacent to their property, regard from the actual facility. If the applicant's property is adjacent to a road, creek, or on the opposite side must be identified. Although the proapplicant's property boundary, they are considered potentif the adjacent road is a divided highway as identified on map, the applicant does not have to identify the landowned the highway. 	it. mus dless strea perti tially the U	t identi: of how m, the es are r affecte ISGS top	fy the far the	e they are owners ljacent to downers. phic
Landowners Cross Reference List (See instructions for landowner requirements)		N/A		Yes
Landowners Labels or USB Drive attached (See instructions for landowner requirements)		N/A	\boxtimes	Yes
Original signature per 30 TAC § 305.44 - Blue Ink Preferred (If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)				Yes
Plain Language Summary			\boxtimes	Yes

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): <u>0.100</u> 2-Hr Peak Flow (MGD): <u>0.400</u>

Estimated construction start date: 9/1/2025Estimated waste disposal start date: 5/1/2026

B. Interim II Phase

Design Flow (MGD): <u>Click to enter text.</u>

2-Hr Peak Flow (MGD): <u>Click to enter text.</u>

Estimated construction start date: <u>Click to enter text.</u> Estimated waste disposal start date: <u>Click to enter text.</u>

C. Final Phase

Design Flow (MGD): <u>o. 200</u> 2-Hr Peak Flow (MGD): <u>o.800</u>

Estimated construction start date: 1/1/2029
Estimated waste disposal start date: 6/1/2029

D. Current Operating Phase

Provide the startup date of the facility: <u>Click to enter text.</u>

Section 2. Treatment Process (Instructions Page 43)

A. Current Operating Phase

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

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

PHASE I: Flow enters the conventional activated sludge process with nitrification plant through lift station pumps, thence through a bar screen, into aeration basins, thence to the clarifier, thence to the chlorine contact chamber for disinfection and discharge. Sludge from the bottom of the clarifier will either be airlifted to the aeration basin or wasted to the aerobic digester / sludge holding basin. PHASE II / FINAL PHASE: Will just include additional aeration basins to Phase I.

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) of each treatment unit, accounting for *all* phases of operation.

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)	
Aeration Basins	Phase I: 2 Phase II / Final: 4	52-ft x 12-ft x 10.5-ft	
Clarifier	Phase I: 1 Phase II / Final: 1	32-ft Diam. x 9.75-ft	
Chlorine Contact Basin	Phase I: 1 Phase II / Final: 1	16-ft x 12-ft x 9.5-ft	
Aerobic Digester / Sludge Holding Basin	Phase I: 1 Phase II / Final: 1	52-ft x 12-ft x 10.5-ft	

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 44)

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

Latitude: <u>30.314743</u>

Longitude: <u>-95.263974</u>

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

• Latitude: <u>N/A</u>

• Longitude: N/A

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

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

Provide the name and a des The Spring Branch Villas Wasubdivision.	•	<u> </u>	<u> </u>
Collection System Informate each uniquely owned collection systems examples.	ction system, existir . Please see the ins t	ng and new, served by th	is facility, including
Collection System Informatio Collection System Name	Owner Name	Owner Type	Population Serve
-		7.	Phase I: 1,2 96
Spring Branch Villas Collection System	HydroTex, LLC	Privately Owned	Phase II / Final Phase: 2,496
		Choose an item.	
		Choose an item.	
		Choose an item.	
Section 4. Unbuilt Is the application for a rend □ Yes ☑ No If yes, does the existing pe years of being authorized Is	rmit contain a phase	contains an unbuilt pha	-
☐ Yes ☐ No If yes, provide a detailed d Failure to provide sufficie recommending denial of t Click to enter text.	nt justification may	result in the Executive	he unbuilt phase. Director

Attachment: <u>TECH.03</u>

Section 5. Closure Plans (Instructions Page 45)
Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?
□ Yes ⊠ No
If yes, was a closure plan submitted to the TCEQ?
□ Yes □ No
If yes, provide a brief description of the closure and the date of plan approval.
Click to enter text.
Section 6. Permit Specific Requirements (Instructions Page 45)
For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.
A. Summary transmittal
Have plans and specifications been approved for the existing facilities and each proposed phase?
□ Yes ⊠ No
If yes, provide the date(s) of approval for each phase: 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 to be submitted before 9/2025.
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.

	C	lick to enter text.
C.	Ot	her actions required by the current permit
	sul	es the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require omission of any other information or other required actions? Examples include tification 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> .
	\mathbb{C}	lick to enter text.
Ъ	C	the sand among a transfer sant
υ.		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
	1.	Applicability
		Does the facility have a design flow of 1.0 MGD or greater in any phase?
		□ Yes ⊠ No
		Does the facility have an approved pretreatment program, under 40 CFR Part 403?
		□ Yes ⊠ No
		If no to both of the above, then skip to Subsection F, Other Wastes Received.
	2.	MSGP coverage
		Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?
		□ Yes □ No
		If yes , please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:
		TXR05 Click to enter text. or TXRNE Click to enter text.
		If no, do you intend to seek coverage under TXR050000?
		□ Yes □ No
	3.	Conditional exclusion
		Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?
		□ Yes □ No
		If yes , please explain below then proceed to Subsection F, Other Wastes Received:

	Click to enter text.
4.	Existing coverage in individual permit
	Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?
	□ Yes □ No
	If yes , provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.
	Click to enter text.
5.	Zero stormwater discharge
	Do you intend to have no discharge of stormwater via use of evaporation or other means?
	□ Yes □ No
	If yes, explain below then skip to Subsection F. Other Wastes Received.
	Click to enter text.
	Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.
6.	Request for coverage in individual permit
	Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?
	□ Yes □ No
	If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

		Click to enter text.
		Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.
F.	Di	scharges to the Lake Houston Watershed
	Do	es the facility discharge in the Lake Houston watershed?
		⊠ Yes □ No
	•	ves, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. CH.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 the instructions.
		In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an
		estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
		Click to enter text.
		Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
	2.	Acceptance of septic waste
		Is the facility accepting or will it accept septic waste?
		□ Yes ⊠ No
		If yes , does the facility have a Type V processing unit?
		□ Yes □ No
		If yes, does the unit have a Municipal Solid Waste permit?
		□ Yes □ No

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

Click to enter text.			

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

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

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

	Yes	\square	No
_	1 00		110

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

Click to enter text.			

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

Τc	the	faci	lity	in	oper	ation	2
15	HIE	140	IIIV	111	ODEL	ансн	

Yes	\boxtimes	No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					

Sulfate, mg/l			
Chloride, mg/l			
Total Phosphorus, mg/l			
pH, standard units			
Dissolved Oxygen*, mg/l			
Chlorine Residual, mg/l			
E.coli (CFU/100ml) freshwater			
Entercocci (CFU/100ml) saltwater			
Total Dissolved Solids, mg/l			
Electrical Conductivity, µmohs/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 50)

Facility Operator Name: Not yet determined

Facility Operator's License Classification and Level: Will be TCEQ certified C or higher.

Facility Operator's License Number: Click to enter text.

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

A. WWTP's Biosolids Management Facility Type

Check all that apply. See inst	ructions for	guid	lance
--------------------------------	--------------	------	-------

 \square Design flow>= 1 MGD

 \square Serves >= 10,000 people

☐ Class I Sludge Management Facility (per 40 CFR § 503.9)

[†]TLAP permits only

\boxtimes	Biosolids generator
	Biosolids end user – land application (onsite)
	Biosolids end user - surface disposal (onsite)
	Biosolids end user - incinerator (onsite)
ww	TP's 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. Biosolids Management

В.

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

Biosolids Management

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

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
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: Wastewater Residuals Management WWTP

TCEQ permit or registration number: WQ0003987000

County where disposal site is located: <u>Harris</u>

E. Transportation method

Method of transportation (truck, train, pipe, other): <u>Truck</u> Name of the hauler: Wastewater Transport Services, LLC

Hauler registration number: 24343

Sludge is transported as a:

Liquid oxing semi-liquid oxing semi-solid oxing solid oxing

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

A. Beneficial use authorization

Does the existing	permit include	authorization	for land	application of	f sewage	sludge for
beneficial use?					_	_
□ Yes ⊠	No					

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

□ Yes □ No

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

□ Yes □ No

B. Sludge processing authorization

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

Sludge Composting	Yes	No
Marketing and Distribution of sludge	Yes	No

Sludge Surface Disposal or Sludge Monofill \square Yes \boxtimes No					
Temporary storage in sludge lagoons \square Yes \boxtimes No					
If yes to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056) attached to this permit application?					
□ Yes □ No					
Section 11. Sewage Sludge Lagoons (Instructions Page 53)					
Does this facility include sewage sludge lagoons?	_				
□ Yes ⊠ No					
If yes, complete the remainder of this section. If no, proceed to Section 12.					
A. Location information					
The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.					
Original General Highway (County) Map:					
Attachment: Click to enter text.					
 USDA Natural Resources Conservation Service Soil Map: 					
Attachment: Click to enter text.					
• Federal Emergency Management Map:					
Attachment: Click to enter text.					
• Site map:					
Attachment: Click to enter text.					
Discuss in a description if any of the following exist within the lagoon area. Check all that apply.					
Overlap a designated 100-year frequency flood plain					
□ Soils with flooding classification					
□ Overlap an unstable area					
□ Wetlands					
☐ Located less than 60 meters from a fault					
□ None of the above					
Attachment: Click to enter text.					
If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:					
Click to enter text.					

B. Temporary storage information Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0*. Nitrate Nitrogen, mg/kg: Click to enter text. Total Kjeldahl Nitrogen, mg/kg: Click to enter text. Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.

Phosphorus, mg/kg: <u>Click to enter text.</u>
Potassium, mg/kg: <u>Click to enter text.</u>
pH, standard units: <u>Click to enter text.</u>

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.

Mercury: Click to enter text.

Lead: Click to enter text.

Molybdenum: Click to enter text.

Nickel: <u>Click to enter text.</u> Selenium: <u>Click to enter text.</u>

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	ve a liner with a maximum hydrauli
conductivity of 1x10 ⁻⁷ cm/sec?	

□ Yes □ No

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

Click to enter text			

D. Site development plan

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

Click to enter text.
Attach the following documents to the application.
 Plan view and cross-section of the sludge lagoon(s)
Attachment: Click to enter text.
Copy of the closure plan
Attachment: Click to enter text.
Copy of deed recordation for the site
Attachment: Click to enter text.
• Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: Click to enter text.
 Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: Click to enter text.
 Procedures to prevent the occurrence of nuisance conditions
Attachment: Click to enter text.
Groundwater monitoring
Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?
□ Yes □ No
If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.
Attachment: Click to enter text.
ction 12. Authorizations/Compliance/Enforcement (Instructions
Ρασο 55)

A. Additional authorizations

E.

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:

C	Click to enter text.	
В.	Permittee enforcement status	I
	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 implement schedule, and the current status:	ntation
	Click to enter text.	
Se	ection 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 hazardous waste? \square Yes \boxtimes No	eceive
R	Remediation activity wastewater	
٠.	Has the facility received in the past three years, does it currently receive, or will it received wastewater, RCRA remediation/corrective action wastewater or other remediativity 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 56)

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

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - 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
 - 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.

Title: Click to enter text.
Signature:
Date:

Printed Name: N/A - New Permit

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 57)

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

	recommending demai of the proposed phase(s) of permit.			
The development proposes to construct homes with the following phases and connections added with each phase. (Phase I: 432 connections), (Phase II / Final: 832 connections), are no other utilities nearby willing or able to provide utility service to the subject development.				
В.	Regionalization of facilities			
	For additional guidance, please review <u>TCEO's Regionalization Policy for Wastewater</u> <u>Treatment</u> ¹ .			
	Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:			
	1. Municipally incorporated areas			

If the applicant is a city,	then Item 1 is no	t applicable.	Proceed to	Item 2 Utilit	y 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.

2. Utility CCN areas

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

Yes No

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

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

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

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

⊠ Yes □ No

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

Attachment: TECH.05

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

Attachment: TECH.05

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

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 59)

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): <u>Click</u> 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	0.100 / 0.200	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	0.100 / 0.200	
AVERAGE BOD ₅ from all sources		300 / 300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

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: <u>3</u> Total Phosphorus, mg/l: <u>N/A</u> Dissolved Oxygen, mg/l: <u>4</u> Other: <u>E. Coli: 63 mpn/100 ml</u>

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: Click to enter text. Ammonia Nitrogen, mg/l: Click to enter text. Total Phosphorus, mg/l: Click to enter text. Dissolved Oxygen, mg/l: Click to enter text. Other: Click to enter text. C. Final Phase Design Effluent Quality Biochemical Oxygen Demand (5-day), mg/l: 10 Total Suspended Solids, mg/l: 15 Ammonia Nitrogen, mg/l: 3 Total Phosphorus, mg/l: N/A Dissolved Oxygen, mg/l: 4 Other: E. Coli: 63 mpn/100 ml D. Disinfection Method Identify the proposed method of disinfection. Chlorine: 1-4 mg/l after 20 minutes detention time at peak flow Dechlorination process: Click to enter text. Ultraviolet Light: Click to enter text. seconds contact time at peak flow Other: Click to enter text. **Design Calculations (Instructions Page 59)** Section 4. Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features. **Attachment**: TECH.01 Section 5. Facility Site (Instructions Page 60) A. 100-year floodplain Will the proposed facilities be located above the 100-year frequency flood level? \boxtimes Yes □ No If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures. Click to enter text. Provide the source(s) used to determine 100-year frequency flood plain. FEMA Flood Map 48339C0425G dated 8/18/2014

Se	ection 6. Permit Authorization for Sewage Sludge Disposal
	Attach a wind rose: <u>TECH.o3</u>
B.	Wind rose
	If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.
	If yes, provide the permit number: <u>Click to enter text.</u>
	□ Yes □ No
	If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit
	□ Yes ⊠ No
	For a new or expansion of a facility, will a wetland or part of a wetland be filled?

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

(Instructions Page 60)

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 61)

Attach a solids management plan to the application.

Attachment: TECH.04

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

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

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

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?
□ Yes ⊠ No
If no , proceed 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 64)
Does the facility discharge into tidally affected waters?
□ Yes ⊠ No
If no , proceed to Section 3. If yes , complete the remainder of this section. If no, proceed to Section 3.
A. Receiving water outfall
Width of the receiving water at the outfall, in feet: Click to enter text.
B. Oyster waters
Are there oyster waters in the vicinity of the discharge?
□ Yes □ No
If yes, provide the distance and direction from outfall(s).
Click to enter text.
C. Sea grasses
Are there any sea grasses within the vicinity of the point of discharge?
□ Yes □ No
If yes, provide the distance and direction from the outfall(s).
Click to enter text.

Classified Segments (Instructions Page 64) Section 3. Is the discharge directly into (or within 300 feet of) a classified segment? Yes 🖾 No **If ves**, this Worksheet is complete. **If no**, complete Sections 4 and 5 of this Worksheet. **Description of Immediate Receiving Waters (Instructions** Section 4. **Page 65)** Name of the immediate receiving waters: Proposed man-made drainage ditch A. Receiving water type Identify the appropriate description of the receiving waters. Stream Freshwater Swamp or Marsh Lake or Pond Surface area, in acres: Click to enter text. Average depth of the entire water body, in feet: Click to enter text. Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text. Man-made Channel or Ditch Open Bay Tidal Stream, Bayou, or Marsh Other, specify: Click to enter text. B. Flow characteristics If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area upstream of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one). \boxtimes Intermittent - dry for at least one week during most years Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses Perennial - normally flowing Check the method used to characterize the area upstream (or downstream for new dischargers). USGS flow records Historical observation by adjacent landowners Personal observation Other, specify: Manmade drainage ditch has not been constructed yet.

		e names of all perennial streams tream of the discharge point.	s that joir	the receiving water within three miles
	Spring	g Branch & Caney Creek		
D.	Downs	stream characteristics		
		rge (e.g., natural or man-made d		ithin three miles downstream of the ds, reservoirs, etc.)?
		Yes 🖾 No		
		discuss how.		
	Click t	to enter text.		
E.	Norma	l dry weather characteristics		
	Provid	e general observations of the wa	iter body	during normal dry weather conditions.
	N/A -	Man-made drainage ditch has not	been cons	tructed yet.
	Date a	nd time of observation: 3/5/2024	4 @ 3:00 I	PM
		e water body influenced by stor		
		Yes ⊠ No		G
		_		
Se	ction		tics of	the Waterbody (Instructions
		Page 66)		
A.	Upstre	am influences		
		mmediate receiving water upstr nced by any of the following? Ch		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.

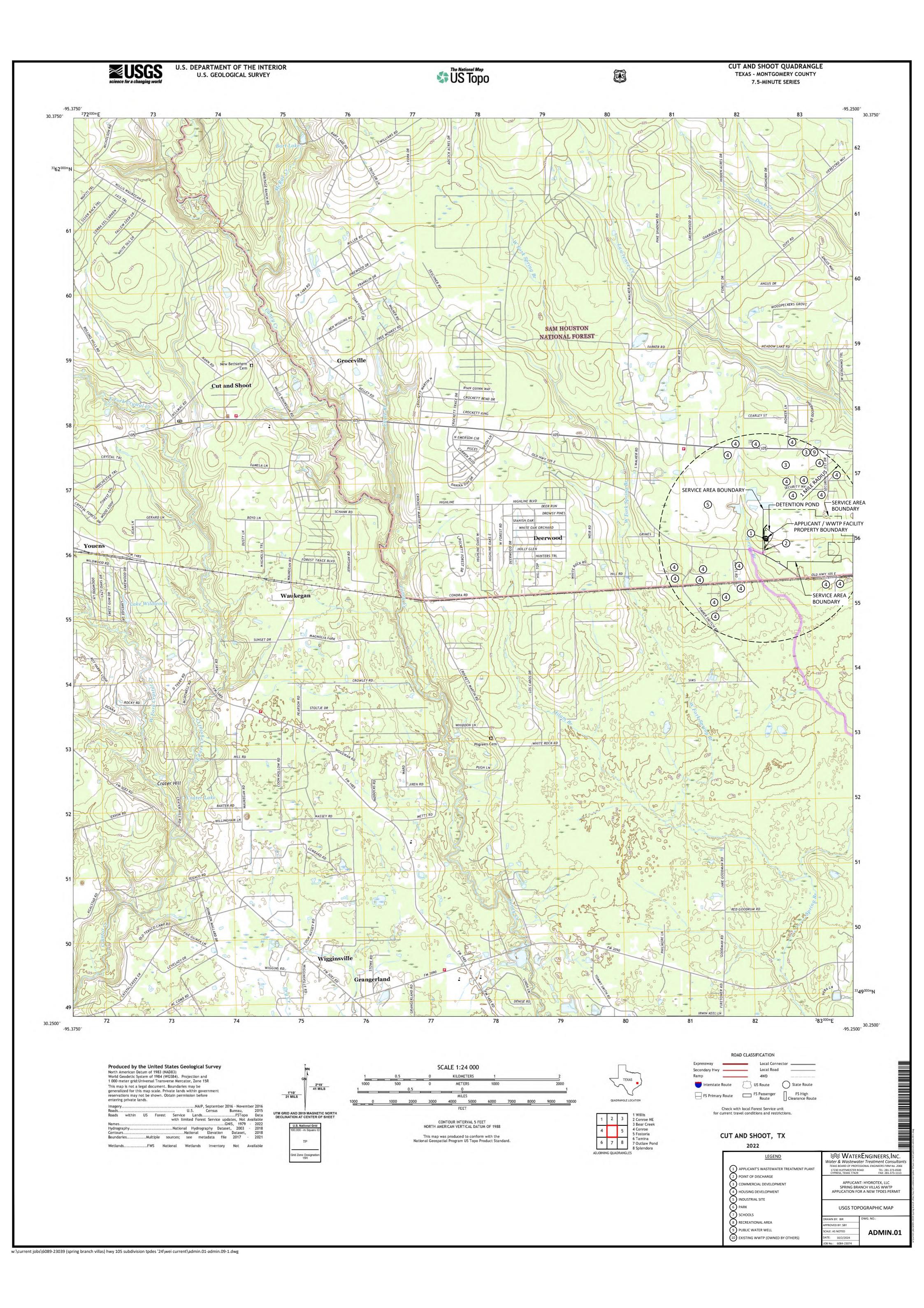
C. Downstream perennial confluences

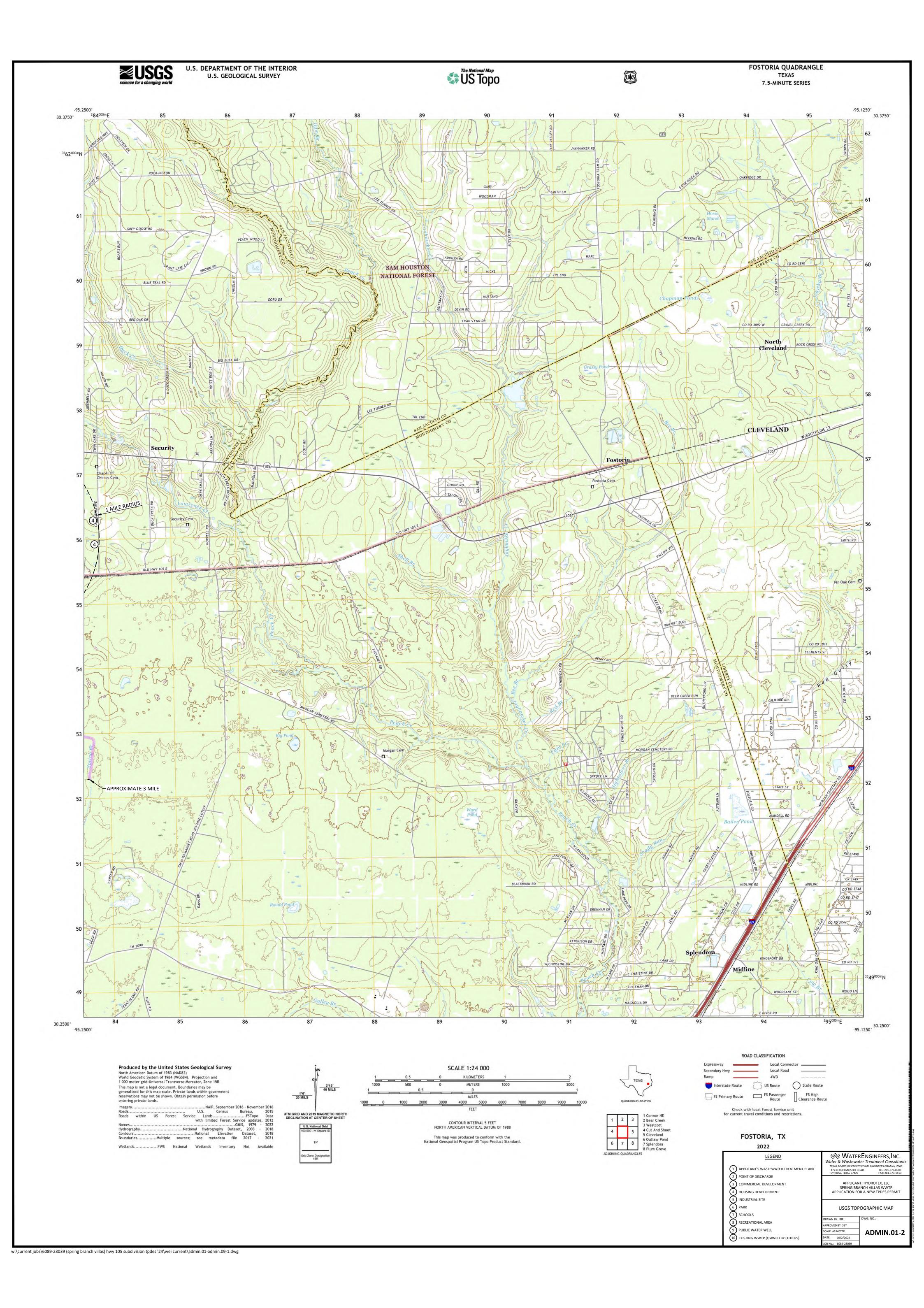
water	boay uses							
Observ	ved or evidences of the following use	es. Cl	neck all that apply.					
	Livestock watering		Contact recreation					
	Irrigation withdrawal		Non-contact recreation					
	Fishing		Navigation					
	Domestic water supply		Industrial water supply					
	Park activities	\boxtimes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

C.

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 Use Only



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)									
New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)									
Renewal (Core Data Form should be submitted with the renewal form) Other									
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in	3. Regulated Entity Reference Number (if issued)							
CN 606015543	Central Registry**	RN							

SECTION II: Customer Information

4. General Customer Information 5. Effective Date for Cust							mer Information Updates (mm/dd/yyyy)					10-10-2024	
☐ New Custor☐ Change in Lo		(Verifiab	_	pdate to Custon				_		gulated Ent ts)	ity Owne	rship	
			=	be updated au	tomaticall	y base	d on w	hat is cu	urrent d	and active	with th	e Texas Secr	etary of State
(SOS) or Texa	s Comptro	oller of	Public Accou	ints (CPA).									
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John									If new	Customer,	enter pre	vious Custom	er below:
HydroTex, LLC													
				8. TX State T 32076680035	e Tax ID (11 digits)				9. Federal Tax ID (9 digits)		D	10. DUNS Number (if applicable)	
11. Type of C	ustomer:		☐ Corpora	tion				Individ	Individual Partnership: [rship: 🔲 Gen	ip: General Limited	
Government: [City []	County [] Federal [Local 🗌 State	Other		1	☐ Sole Proprietorship ☐ Other: Limited Liability Compa				ability Company	
12. Number ○ ☑ 0-20 ☐	of Employ 21-100 [50 🗌 251	-500 🔲 501 a	ınd higher		13. Independently Owned and Operated? ☑ Yes ☐ No				erated?		
14. Custome	Role (Pro	posed o	Actual) – as	it relates to the I	Regulated Er	ntity list	ed on t	his form.	Please c	heck one of	f the follo	wing	
☐Owner ☐Occupation	al Licensee		erator esponsible Pa		ner & Opera CP/BSA App					Other:			
15. Mailing	101 Park	lane Blvo	I., STE 102										
Address: City Sugar Land State			TX		ZIP	77478	8		ZIP + 4				
16. Country I	Mailing In	formati	on (if outside	· USA)			17. E-Mail Address (if applicable)						
							kevir	@trinityr	esidenti	ialdev.com			
18. Telephone Number 19. Extension of					on or C	Code 20. Fax Number (if applicable)							

TCEQ-10400 (11/22)

832) 607-2964		() -	
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SECTION III: Regulated Entity Information

21. General Regulated Er	ntity Informa	ition (If 'New Reg	ulated Entity" is sele	cted, a new permit	applica	tion is also r	equired.)		
New Regulated Entity	Update to	Regulated Entity	Name 🔲 Update	to Regulated Entity	/ Inform	ation			
The Regulated Entity Natas Inc, LP, or LLC).	me submitte	d may be updat	ed, in order to me	et TCEQ Core Da	ta Stai	ndards (ren	noval of org	ganization	al endings such
22. Regulated Entity Nan	ne (Enter nam	e of the site wher	e the regulated actio	n is taking place.)					
Spring Branch Villas Wastew	ater Treatmer	nt Plant							
23. Street Address of the Regulated Entity:									
(No PO Boxes)	City		State	ZII	Þ			ZIP + 4	
24. County									
		If no Stree	et Address is provi	ded, fields 25-28	are re	equired.			
25. Description to Physical Location:	Approximat	ely 1,500 feet nor	theast of the interse	ction of Metts Road	d and O	ld Highway 1	.05 E., Clevel	and, TX 773	28
26. Nearest City						State		Nea	rest ZIP Code
Cleveland						TX		773	28
Latitude/Longitude are i used to supply coordinat					Stand	ards. (Geoc	oding of th	e Physical	Address may be
27. Latitude (N) In Decim	nal:	30.314743		28. Longi	tude (۱	W) In Decin	nal:	-95.2639	974
Degrees	Minutes		Seconds	Degrees	Degrees		Minutes		Seconds
30		18	53.10		95		15		50.30
29. Primary SIC Code (4 digits)		Secondary SIC	Code	31. Primary NAICS Code (5 or 6 digits)		ode	32. Secondary NAICS Code (5 or 6 digits)		
4952				221320					
33. What is the Primary	Business of	this entity? (De	o not repeat the SIC o	or NAICS descriptio	n.)				
Wastewater Treatment Plan	t								
34. Mailing	101 Parkla	ane Blvd., STE 102							
Address:	City	Sugar Land	State	тх	ZIP	77478		ZIP + 4	
35. E-Mail Address:	kev	rin@trinityresider	ntialdev.com						
36. Telephone Number			37. Extension or	r Code	38.	Fax Numbe	r (if applicat	ole)	
(832) 607-2964									

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

TCEQ-10400 (11/22) Page 2 of 3

☐ Dam Safety		Districts	☐ Edwards Aquifer		Emissions Inventory Air	☐ Industrial Hazardous Wast
		☐ New Source				
☐ Municipal Solid Waste		Review Air	OSSF		Petroleum Storage Tank	PWS
Sludge		Storm Water	☐ Title V Air		Tires	Used Oil
☐ Voluntary Cleanup		⊠ Wastewater	☐ Wastewater Agriculture		Water Rights	Other:
		TPDES Proposed				
	IV: Pi	reparer Inf	formation	41. Title:	Project Engineer	
2. Telephone Nun	nber	43. Ext./Code	44. Fax Number	45. E-Mai	il Address	
Li relepitorie ivan	281) 373-0500		() -	danny@wa		

to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	WaterEngineers, Inc. Job Title: Project Engineer							
Name (In Print):	Danny Parks, P.E.	Phone:	(281) 373- 0500					
Signature:	Ty Pay	Date:	10-10-2024					

TCEQ-10400 (11/22) Page 3 of 3

ATTACHMENT ADMIN.04

Plain Language Summary

(Reference Administrative Report 1.0, Page 6, 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</u>, <u>Texas</u> <u>Administrative Code (30 TAC)</u>, <u>Chapter 39</u>, <u>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.

HydroTex, LLC (CN: 606015543) proposes to operate Spring Branch Villas Wastewater Treatment Plant (RN: Proposed), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 1,500 feet northeast of the intersection of Metts Road and Old Highway 105 E., in Cleveland, Montgomery County, Texas 77328. This application is for a new permit to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

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

HydroTex, LLC (CN: 606015543) propone operar Spring Branch Villas Wastewater Treatment Plant RN: Proposed, un Planta de lodos activados convencionales con proceso de nitrificación. La instalación estará ubicada en aproximadamente 1,500 pies al noreste de la intersección de Metts Road y Old Highway 105 E., en Cleveland, Condado de Montgomery, Texas 77328. sta solicitud es para un nuevo permiso para descargar a un flujo promedio diario de 200,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días

(CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 (Análisis de contaminantes del efluente tratado) en el paquete de solicitud de permiso. Aguas residuales domésticas de Spring Branch Villas . estará tratado por una planta de lodos activados convencional con proceso de nitrificación y las unidades de tratamiento incluirán una criba de barras, balsa de aireación, un clarificador final, un digestor de lodos y una cámara de contacto de cloro.

INSTRUCTIONS

- 1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
- 2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
- 3. Choose "operates" in this section for existing facility applications or choose "proposes to operate" for new facility applications.
- 4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
- 5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
- 6. Choose the appropriate article (a or an) to complete the sentence.
- 7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
- 8. Choose "is" for an existing facility or "will be" for a new facility.
- 9. Enter the location of the facility in this section.
- 10. Enter the City nearest the facility in this section.
- 11. Enter the County nearest the facility in this section.
- 12. Enter the zip code for the facility address in this section.
- 13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
- 14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
- 15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
- 16. Choose the appropriate verb tense to complete the sentence.
- 17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example

Individual Industrial Wastewater Application

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 are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as "previously monitored effluents" (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility's potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

ATTACHMENT ADMIN.05

Public Involvement Plan

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

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

New Permit or Registration Application

New Activity - modification, registration, amendment, facility, etc. (see instructions)

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

Section 2. Secondary Screening

Requires public notice,

Considered to have significant public interest, and

Located within any of the following geographical locations:

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

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

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

TCEQ-20960 (02-09-2023)

Section 3. Application Information

Type of Application (check all that apply):

Air Initial Federal Amendment Standard Permit Title V

Waste Municipal Solid Waste Industrial and Hazardous Waste Scrap Tire

Radioactive Material Licensing Underground Injection Control

Water Quality

Texas Pollutant Discharge Elimination System (TPDES)

Texas Land Application Permit (TLAP)

State Only Concentrated Animal Feeding Operation (CAFO)

Water Treatment Plant Residuals Disposal Permit

Class B Biosolids Land Application Permit

Domestic Septage Land Application Registration

Water Rights New Permit

New Appropriation of Water

New or existing reservoir

Amendment to an Existing Water Right

Add a New Appropriation of Water

Add a New or Existing Reservoir

Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

D ' 1	1		C 1 1	
Provide a	hriet dec	ccrintion	of planned	activation
i i Oviut. a	DIKI UK	30.1117110711	OI DIGITICA	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.

language notice is necessary. Please provide the following information.						
(City)						
(County)						
(Census Tract) Please indicate which City	h of these three is the County	e level used for gathering Census Tract	the following information.			
(a) Percent of people	e over 25 years of age	e who at least graduated f	rom high school			
-		the specified location ercent of population by ra	ce within the specified location			
(d) Percent of Lingui	stically Isolated Hous	seholds by language withi	n the specified location			
(e) Languages comm	only spoken in area b	by percentage				
(f) Community and/o	or Stakeholder Group	os				
(g) Historic public in	iterest or involvemen	t				

Section 6. Planned Public Outreach Activities

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

Yes No

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

Yes No

If Yes, please describe.

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

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

Yes No

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

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

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

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

Yes No

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

Yes No

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

TCEQ Regional Office

TCEQ Central Office

Public Place (specify)

Section 7. Voluntary Submittal

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

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

Yes No

What types of notice will be provided?

Publish in alternative language newspaper

Posted on Commissioner's Integrated Database Website

Mailed by TCEQ's Office of the Chief Clerk

Other (specify)

ATTACHMENT ADMIN.06 Affected Landowner Map and List

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

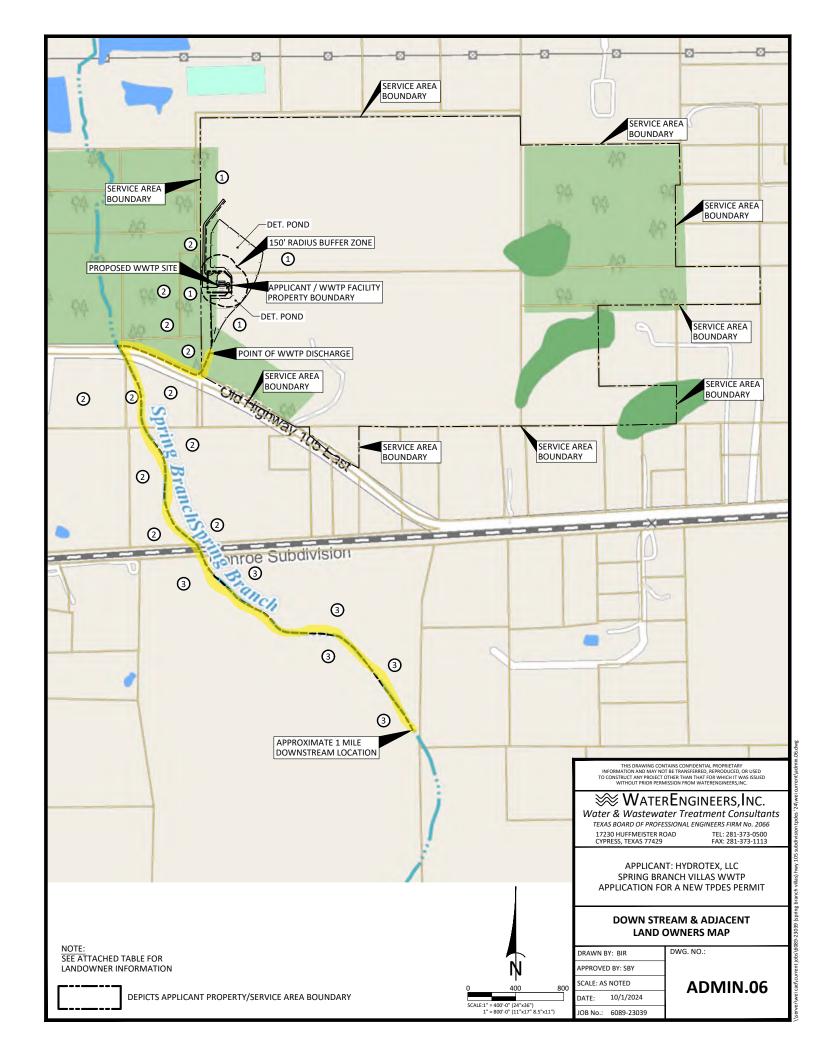


TABLE "ADMIN.06"

HYDROTEX, LLC

Spring Branch Villas Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

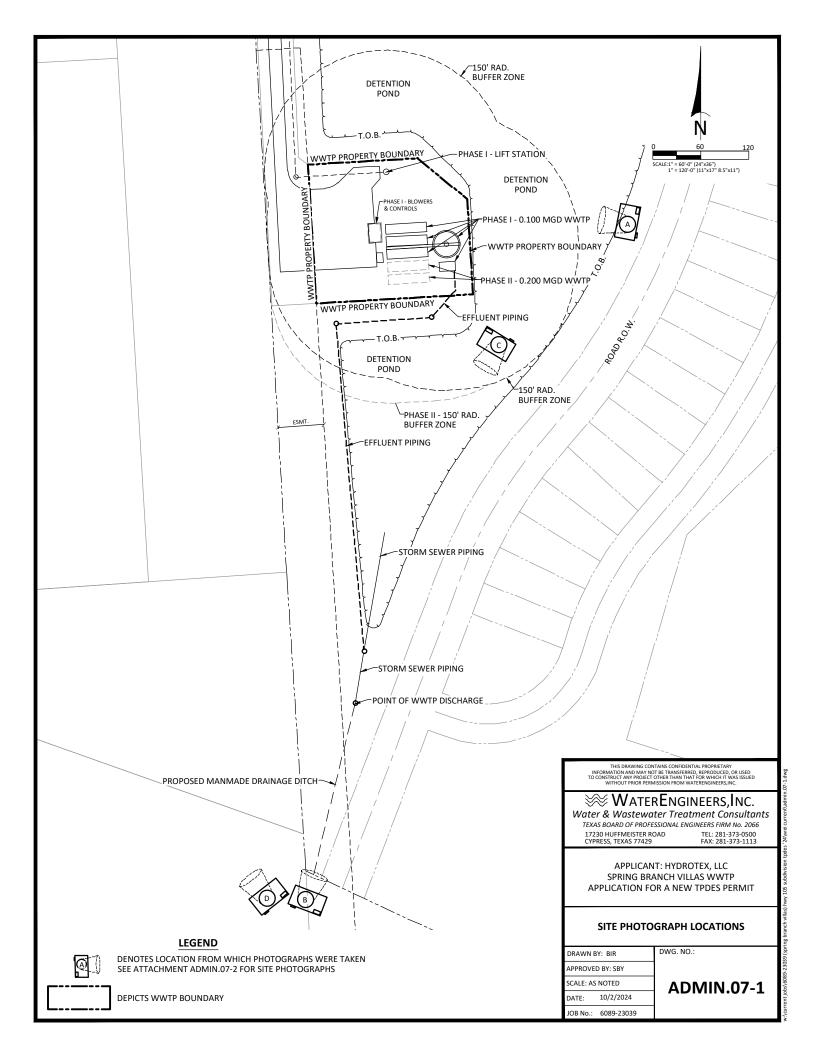
Source: Montgomery County Appraisal District

ID No. (See Attachment "ADMIN.04" Map)	Title Owner & Address		
	CLTX DEV LLC		
1	19715 OLD HIGHWAY 105		
	CLEVELAND, TX 77328		
	JOHN MARK METTS		
2	3229 ELLA LEE LN		
	HOUSTON, TX 77019		
	MWM VENTURES LTD		
3	23449 HIGHWAY 59		
	PORTER, TX 77365		

ATTACHMENT ADMIN.07

Photographs

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



PROPOSED WASTEWATER TREATMENT PLANT SITE





OUTFALL INTO PROPOSED MANMADE DRAINAGE DITCH (LOOKING NORTH)





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

WATER ENGINEERS, INC.

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

APPLICANT: HYDROTEX, LLC SPRING BRANCH VILLAS WWTP APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DWG. NO.:

DRAWN BY: BIR

APPROVED BY: SBY

SCALE: AS NOTED

DATE:

JOB No.:

10/2/2024

6089-23039

ADMIN.07-2

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

UPSTREAM OF OUTFALL INTO PROPOSED MANMADE DRAINAGE DITCH (LOOKING SOUTH)





DOWNSTREAM OF OUTFALL INTO ROADSIDE DRAINAGE DITCH (LOOKING NORTHWEST)





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

₩ Water Engineers, Inc.

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

APPLICANT: HYDROTEX, LLC SPRING BRANCH VILLAS WWTP APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DWG. NO.:

DRAWN BY: BIR

APPROVED BY: SBY

SCALE: AS NOTED

DATE: 10/2/2024

6089-23039

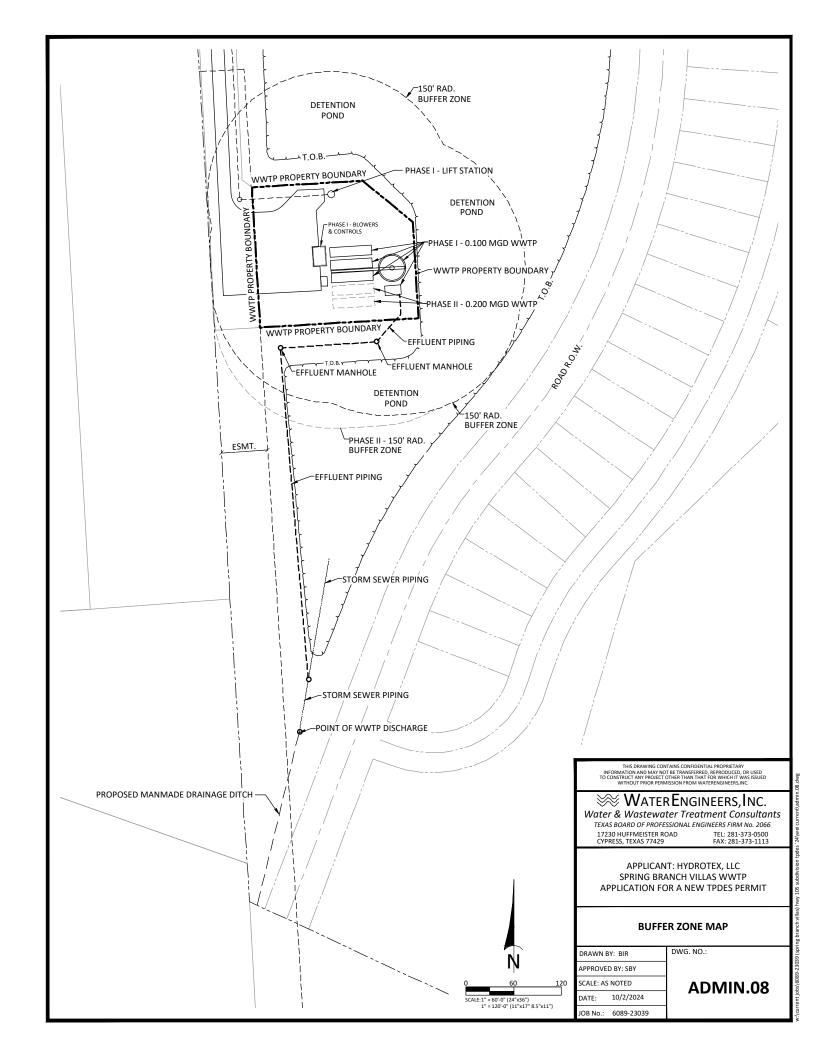
JOB No.:

ADMIN.07-3

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

ATTACHMENT ADMIN.08 Buffer Zone Map

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



ATTACHMENT ADMIN.09

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

(Reference Administrative Report 1.0, Page 14)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY: Application type:RenewalMajor An County: Admin Complete Date: Agency Receiving SPIF: Texas Historical Commission Texas Parks and Wildlife Department	Segment Number: U.S. Fish and Wildlife
This form applies to TPDES permit application	ns only. (Instructions, Page 53)
Complete this form as a separate document. TC	EQ will mail a copy to each agency as required by not completely addressed or further information
Do not refer to your response to any item in tattachment for this form separately from the Adapplication will not be declared administratively completed in its entirety including all attachme may be directed to the Water Quality Division's email at	

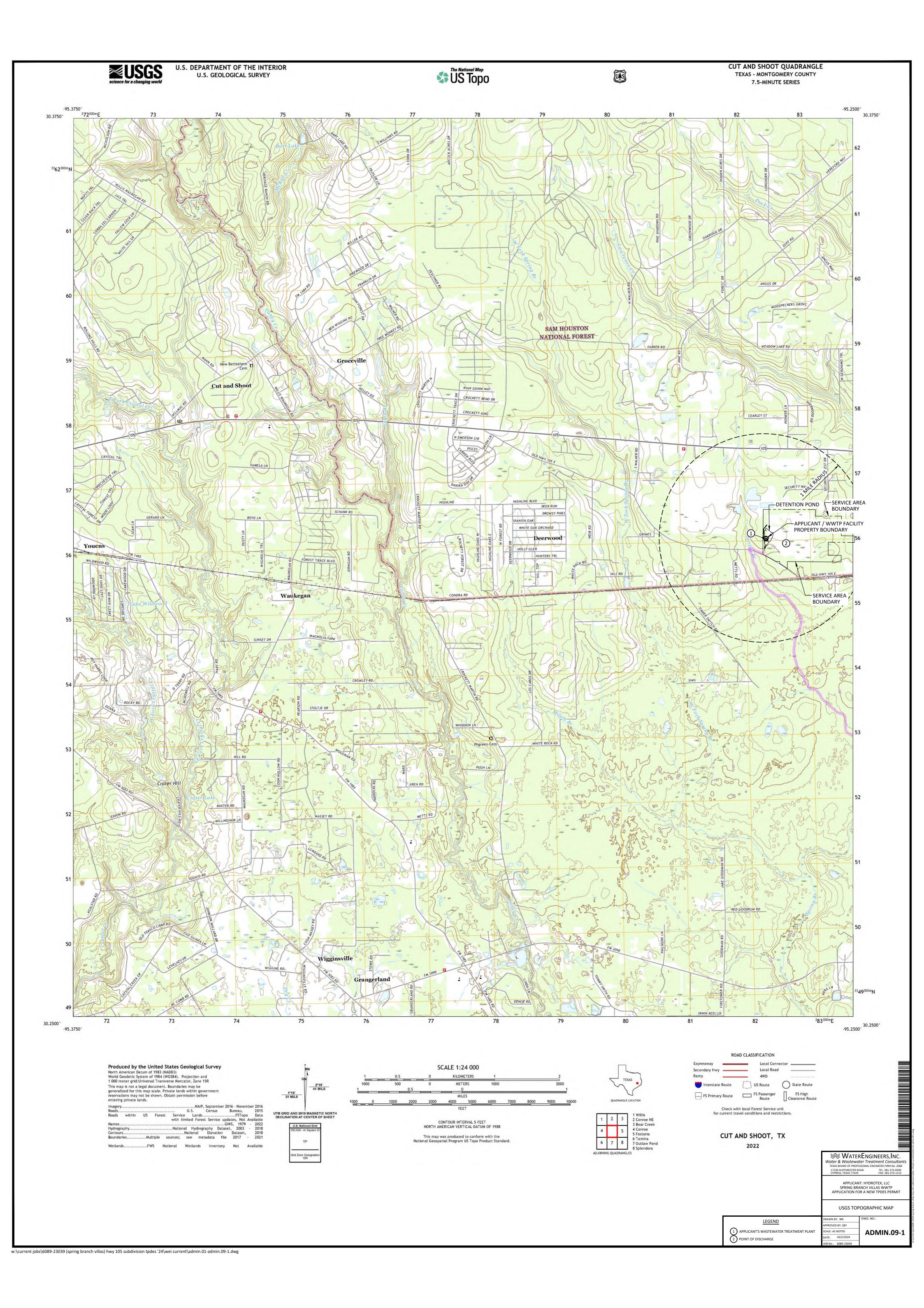
Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.
Prefix (Mr., Ms., Miss): Mr.
First and Last Name: <u>Kevin Browder</u>
Credential (P.E, P.G., Ph.D., etc.):
Title: Chief Operating Officer
Mailing Address: <u>101 Parklane Blvd., STE 102</u>
City, State, Zip Code: <u>Sugar Land, TX 77478</u>
Phone No.: <u>832-607-2964</u> Ext.: Fax No.:
E-mail Address: kevin@trinityresidentialdev.com
List the county in which the facility is located: <u>Montgomery</u>
If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.
$\frac{N/A}{}$
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 WWTP, through an effluent pipeline, thence to a man-made drainage ditch, thence to a roadside ditch along Old Highway 105 East flowing northwest, thence to Spring Branch, thence to Caney Creek in Segment No. 1010 of the San Jacinto River Basin.
thence to earley creek in segment no. 1010 of the san juento laver busin.
Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).
Provide original photographs of any structures 50 years or older on the property.
Does your project involve any of the following? Check all that apply.
☑ Proposed access roads, utility lines, construction easements
☐ Visual effects that could damage or detract from a historic property's integrity
□ Vibration effects during construction or as a result of project design
Additional phases of development that are planted for the fature
□ Additional phases of development that are planned for the future

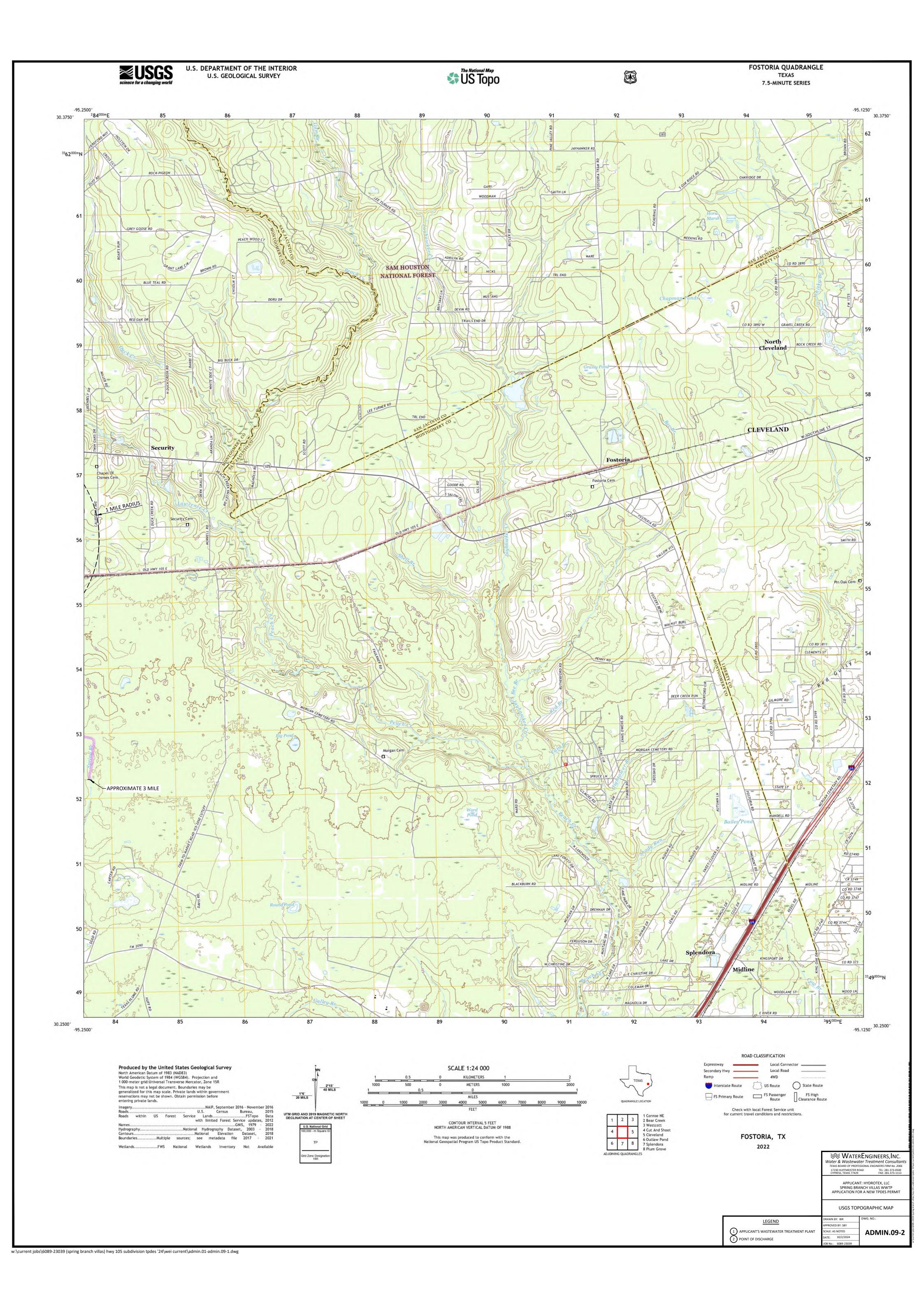
2.3.

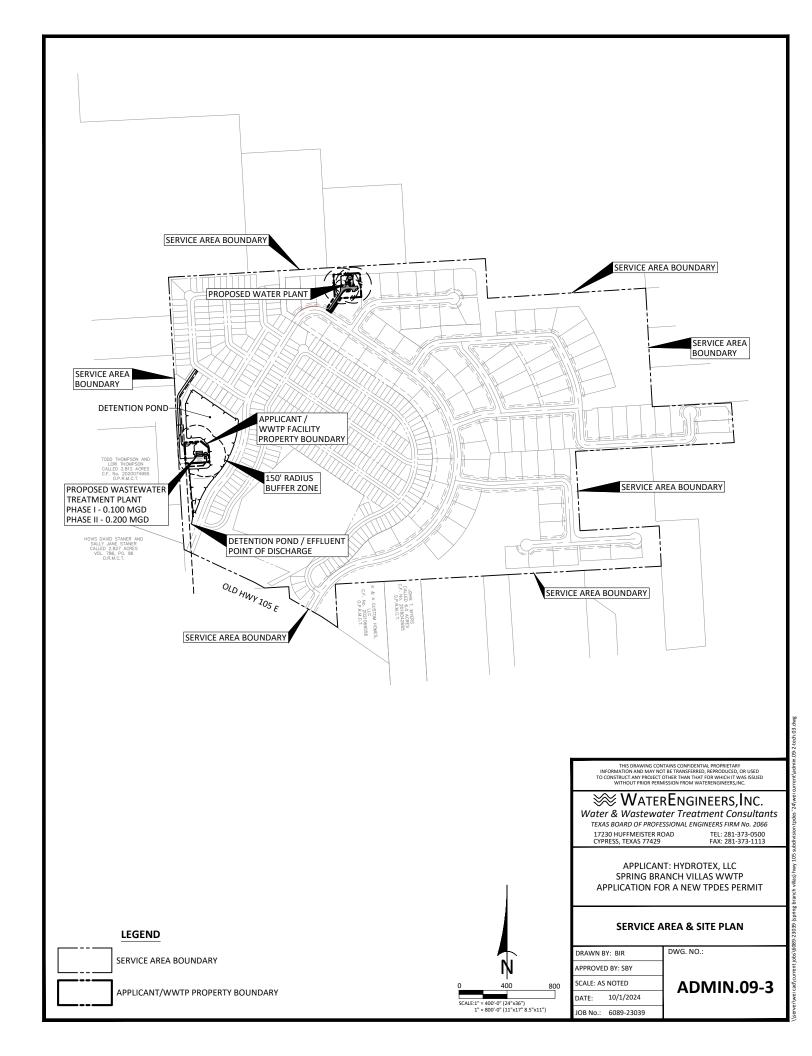
4.

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 WWTP Site will comprise of approximately 0.761 acres and include clearing, grubbing and some excavation less than 10 feet.
2.	Describe existing disturbances, vegetation, and land use:
	The land designated for the WWTP Site is currently vacant and unused.
	E FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR MENDMENTS TO TPDES PERMITS
3.	List construction dates of all buildings and structures on the property:
	The land designated for the WWTP Site is currently vacant and unused.
4.	Provide a brief history of the property, and name of the architect/builder, if known.
	The land designated for the WWTP Site is currently vacant and unused.







ATTACHMENT TECH.01 Design & Loading Criteria Table And Design Features for Reliability

(Reference Technical Report Page 21, Section 4)

TECH.01

DESIGN & LOADING CRITERIA ~ COARSE BUBBLE STEEL PACKAGE WASTEWATER TREATMENT PLANT SPRING BRANCH VILLAS WWTP

Parameter	PHASE I	PHASE II
	PLANT 1	PLANT 1 + ADDITIONAL AERATION TANKS
INFLUENT CONDITIONS	400 000	000.000
Average Daily Flow, gpd Ratio Average/Peak Flow	100,000 4.00	200,000 4.00
Peak 2-Hour Flow, gpd	400,000	800,000
Peak 2-Hour Flow, gpm	278	556
BOD, mg/l	300	300
BOD, lb/day	250	500
ACTIVATED SLUDGE PROCESS		
Aeration Basin		
Aeration Length, ft Aeration Basin Width, ft	104 12	208
SWD at Avg Daily Flow, ft	10.50	10.50
Total Aeration Volume, cu ft	13,104	26,208
BOD Load, #/1000 cu ft	19.1	19.1
Detention time, hrs	23.5 550	23.5
O2 Req'd @ 2.2 # O2/lb BOD, #/day Diffuser CW Eff @ Field Conds, %/ft sub.	0.80%	1,101 0.80%
Diffuser Field Submergence, ft	9.75	9.75
Diffuser CW Transfer Eff., %	7.8%	7.8%
Correction Factor (Course Bubble)	0.65	0.65
Diffuser Field Transfer Eff. (WOTE), % Process Required Air Flow Rate (RAF), scfm	5.1% 437	5.1% 874
Mixing Air @ 20 scfm/1000 cu ft	262	524
Selected Air Supply Rate, scfm	437	874
Temperature Correction Factor for 30 deg F	1.27	1.27
Temperature Corrected Air Flow Rate, scfm No. diffusers (24-inch wide band coarse bubble)	554 40	1,108
Air Flow per Diffuser, scfm	13.9	80 13.9
Air Supply, scfm/1000 cu ft	42	42
Return Sludge Airlift Air, scfm	40	40
Skimmer Airlift Air, scfm	5	5
CLARIFIER		
Quantity of Clarifiers Clarifier Diameter, ft	1	1
Clarifier Wall Height, ft	35 13.250	35 13.250
Side Water Depth @ Qavg, ft	9.75	9.75
Total Area sq ft	962	962
Total Volume, cu ft	9,381	9,381 70,167
Total Volume, gallons Avg. SOR, gpd/sq ft	70,167 104	208
Peak SOR, gpd/sq ft	416	832
Avg. Detention, hr	16.84	8.42
Peak Detention, hr	4.2	2.1
Max Qr @ 400 gpd/sf, gpm Max Qr @ 400 gpd/sf, gpd	267 384,845	267 384,845
Max Qp + Qr, gpd	784,845	1,184,845
	·	
CHLORINE CONTACT BASIN	40.00	40.00
Chlorine Basin Length, ft Chlorine Basin Width, ft	16.00 12.00	16.00 12.00
Proposed SWD, ft	9.5	9.5
Actual Volume, cu ft	1,824	1,824
Air Supply Required @ 10 scfm/1000 cu ft Actual Detention @ Qp, minutes	18.2 49.12	18.2 24.56
AFRODIO DIOFOTIONIO UDOFINO		
AEROBIC DIGESTION/SLUDGE HOLDING Length, ft	52	52
Width, ft	12	12
Surface Area, sq ft	624	624
SWD, ft	10.5	10.5
Volume, cu ft Volume, gallons	6,552 49,009	6,552 49,009
Loading, cu ft/# BOD	26.2	13.1
Air Supply Rate, scfm/1000 cu ft	20	20
Total Air Supply, cfm	131	131
Air Flow per Diffuser, scfm Minimum No. of diffusers	20	20
No. of Diffusers Chosen	7	7
AIR BLOWERS		
Aeration Basin Air Supply, scfm	554	1,108
Aerobic Digester Air Supply, scfm	131	131
Chlorine Basin Air Supply, scfm Return Sludge Airlift Air Supply, scfm	18 40	18
Skimmer Airlift Air Supply, scfm	9	9
Required Air Supply. cfm	752	1,306
No. of Blowers	3	3
Capacity, scfm Rlower On Pressure, nsi	376 5.3	653
Blower Op Pressure, psi	5.3	5.3

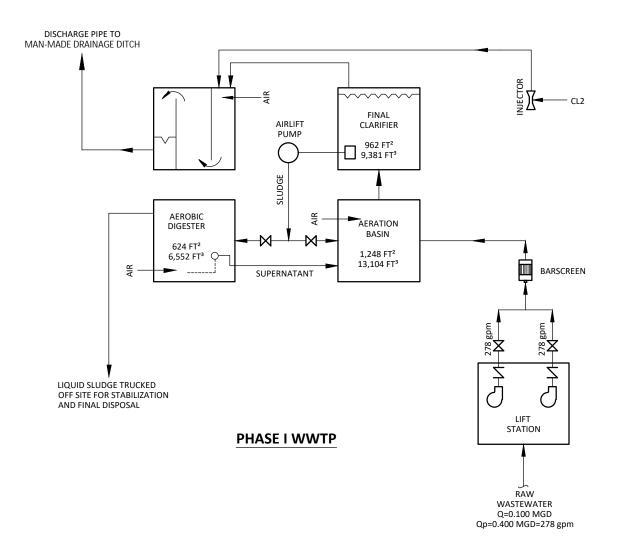
DESIGN FEATURES FOR RELIABILITY

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

- A. No infiltration/inflow is anticipated since the collection system will be new and not subject to the effects of age and deterioration at this time.
- B. The electrical service that will serve the Spring Branch Villas is reliable with most outages lasting less than 2-4 hours. However, HydroTex, 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)



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: HYDROTEX, LLC SPRING BRANCH VILLAS WWTP APPLICATION FOR A NEW TPDES PERMIT

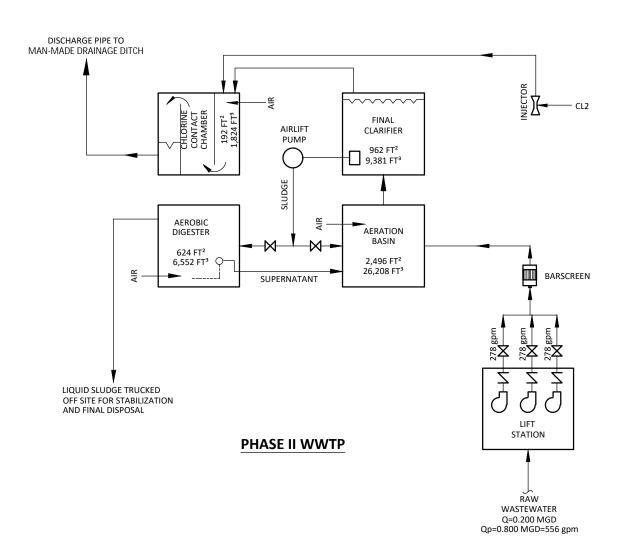
FLOW SCHEMATIC

DWG. NO.:

DRAWN BY: BIR APPROVED BY: SBY 10/2/2024

JOB No.: 6089-23039

TECH.02-1



WATERENGINEERS, INC.

Water & Wastewater Treatment Consultants

TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066
17230 HUFFMEISTER ROAD TEL: 281-373-0500
CYPRESS, TEXAS 77429 FAX: 281-373-1113

APPLICANT: HYDROTEX, LLC SPRING BRANCH VILLAS WWTP APPLICATION FOR A NEW TPDES PERMIT

FLOW SCHEMATIC

DWG. NO.:

DRAWN BY: BIR APPROVED BY: SBY 10/2/2024

JOB No.: 6089-23039

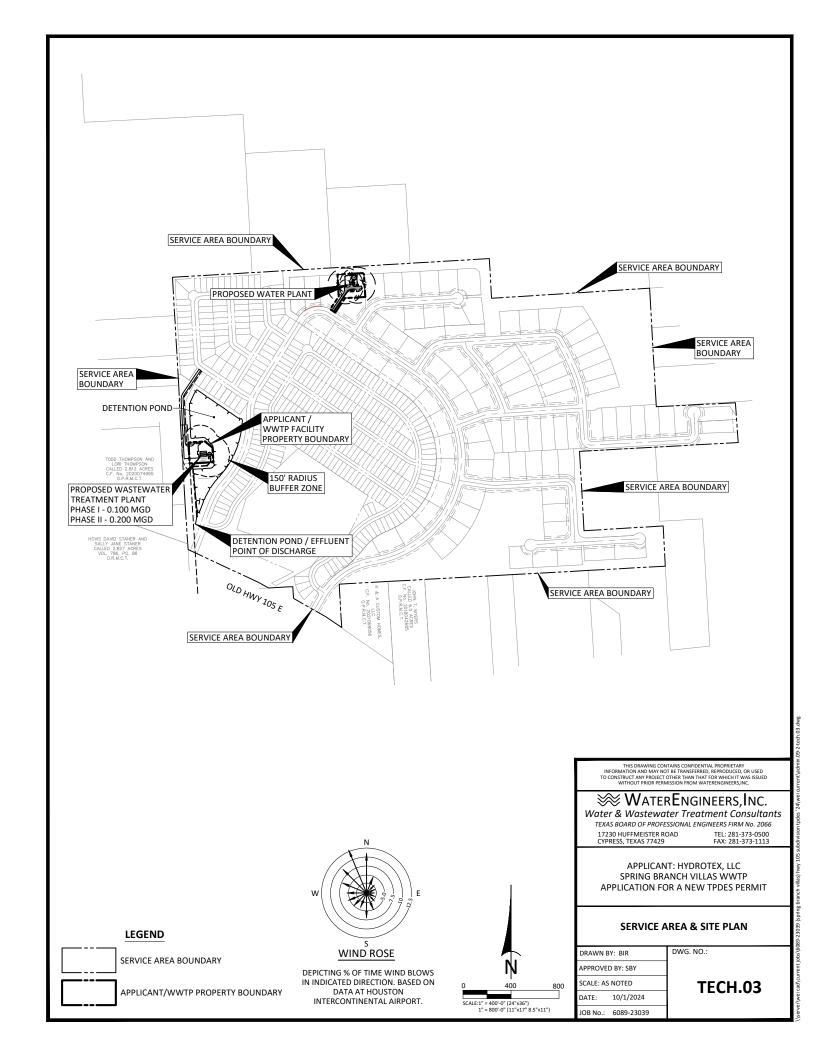
TECH.02-2

ATTACHMENT TECH.03 Site Drawing

(Reference Technical Report Page 3, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 22, Question 5B)



ATTACHMENT TECH.04 Solids Management Plan

(Reference Technical Report Page 22, Question 7)

ATTACHMENT TECH.04 SLUDGE MANAGEMENT PLAN

1. Type of Wastewater Treatment Process Used

The Spring Branch Villas Wastewater Treatment Plant (WWTP) will use the activated sludge with nitrification process. Solids analyses have been made based upon a spreadsheet calculation set up using sludge kinetic calculations developed by Dr. Ross McKinney and published in *Notes on Activated Sludge*, 1971, by Brian L. Goodman. Tables TECH.04-01 & TECH.04-02show the process design and sludge generation calculations for the design flow of 100,000 gpd & 200,000 gpd respectively.

2. Dimensions and Capacities

Phase I of the treatment facility will have a single digester which will provide for a volume of 6,552 cu. ft., surface area of 624 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 26.2 cu. ft./1b BOD.

Phase II of the treatment facility will have a single digester which will provide for a volume of 6,552 cu. ft., surface area of 624 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 13.1 cu. ft./1b BOD.

3. Sludge Generation Calculations

Sludge generation calculations showing the amount of solids generated at 100%, 75%, 50% and 25% of design flows are included in Attachment TECH.04-01 & 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	186	140	93	47
Phase II / Final	381	286	191	95

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 @50% Flow		Predicte @25%	d Solids 5 Flow
Phase	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l	sludge age, days	MLSS mg/l
Phase I	20	3,889	26	3,793	40	3,891	80	3,892
Phase II / Final	10	3,889	13.5	3,938	20	3,891	40	3,892

5. Solids Removal Procedures

The removal of waste activated sludge from the activated sludge process is achieved by wasting sludge from the bottom of the clarifier into the aerobic digester using the waste sludge airlift pump. In order to

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

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

The quantity of solids to be removed at the various plant loadings are presented in the following table. These quantities shown in the tabulation are *monthly* quantities based upon an influent BOD of 300 mg/l and TSS of 240 mg/l. If the strength of the influent wastewater varies significantly, solids removal quantities will be different.

	@ 100 % Flow		@ 75 % Flow		@ 50 % Flow		@ 25 % Flow	
	Capacity		Capacity		Capacity		Capacity	
Phase	%	Gal/	%	Gal/	%	Gal/	%	Gal/
	Solids	Month	Solids	Month	Solids	Month	Solids	Month
Phase I	2.0	27,632	2.0	20,734	2.0	13,823	2.0	6,913
Phase II / Final	2.0	56,481	2.0	42,378	2.0	28,255	2.0	14,131

7. Identification of Disposal Site

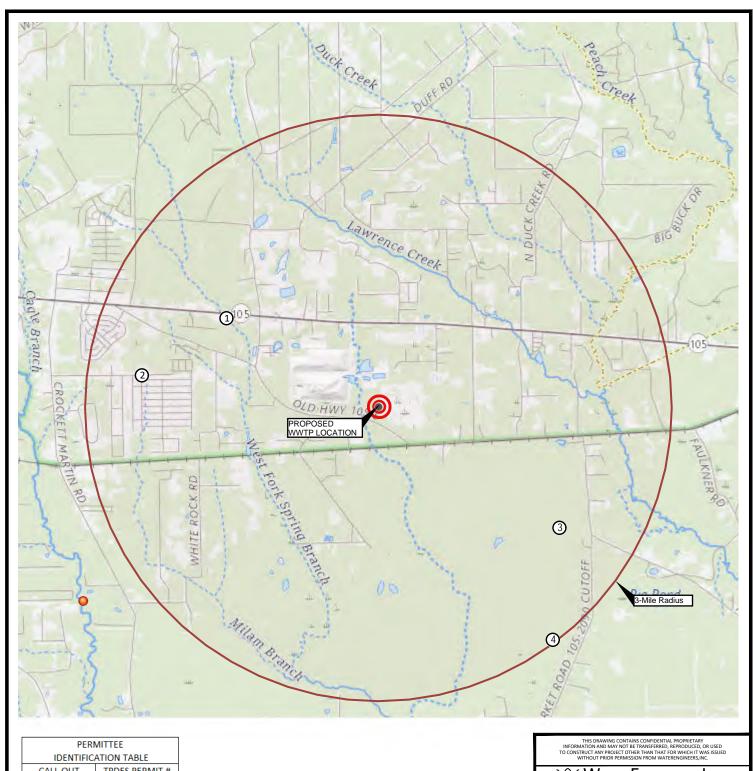
The disposal of sludge from the WWTP is contracted to sludge management and disposal contractor who transports liquid sludge from the digester to other wastewater treatment facilities for further processing or to land application after stabilization. Solids documentation is assured by measuring the volume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

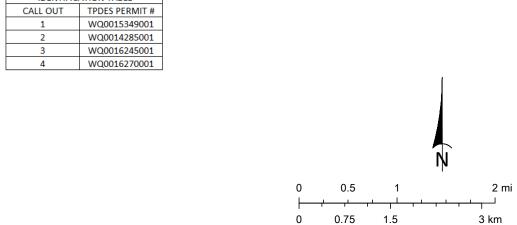
TECH.04-1						
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS						
PHASE I						
INFLUENT CONDITIONS						
1 3 1 11, 3	100	Aeration Vol	•	13,104		
, 3	300	Clarifier Diam	•	35		
, 3	240		Wall Depth, ft	9.75		
, 3	192		nce Area, sq ft	962		
3, 1	250	Clarifier Volu	•	9,381		
BOD Load, #/1000 cu ft 19	9.1	Temperature	e, deg C	20		
Actual Plant Loading, %	100%	75.0%	50%	25.0%		
Actual Flow Rate, mgd	0.100	0.075	0.050	0.025		
BOD Loading, #/Day	250	188	125	63		
Ret. Sludge Rate, gpd/sq ft	400	400	400	400		
Ret. Sludge Flow, mgd	0.38	0.38	0.38	0.38		
t = Aeration Time, days	0.980	1.307	1.960	3.921		
ts = Sludge Age, Days	20.0	26.0	40.0	80.0		
Km = BOD Removal Metabolic Facto	r 360	360	360	360		
Ks = Synthesis Factor	250	250	250	250		
Ke = Endogenous Metabolism Factor	r 0.12	0.09	0.06	0.03		
F = Effl Soluble BOD	0.85	0.64	0.42	0.21		
Ma = Active Mass	1,247	1,216	1,249	1,249		
Me = Endogenous Mass	718	701	719	720		
Mi = Inert Organic Mass	1,371	1,337	1,371	1,371		
Mii = Inert Inorganic Mass	1,421	1,385	1,421	1,421		
Mt = Total Mass, mg/l	4,757	4,639	4,760	4,761		
Total Mass in Aeration Basin, Ib	3,889	3,793	3,891	3,892		
Lb BOD/Lb MLSS/Day	0.064	0.049	0.032	0.016		
Effl TSS, mg/l	10	9	10	10		
Effl BOD, mg/l	2	2	2	2		
Sludge Accumulation, lb/day	194	146	97	49		
TSS Lost In Effluent, lb/day	8	6	4	2		
Waste Sludge, lb/day	186	140	93	47		
Return Sludge Conc, mg/l	5.993	5,543	5,378	5,071		
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000		
Waste Sludge Flow, gpd	2,236	1,679	1,119	560		
	_,	1,515	.,			
AEROBIC DIGESTER						
Volume, cu ft	6,552					
Design Loading, cu ft/lb BOD	26.19	34.92	52.37	104.75		
Incoming Sludge Conc, mg/l	10,000	10,000	10,000	10,000		
Thick Sludge Conc, mg/l	20,000	20,000	20,000	20,000		
Detention, Days	43.83	58.36	87.61	175.17		
Infl Total Solids, lb/day	186	140	93	47		
Infl Active Mass, lb/day	49	37	24	12		
Effl Active Mass, lb/Day	8	6	4	2		
Active Mass Red., lb/day	33 154	25 115	16	8		
Digester Effl Solids, lb/day	154	115	77 4 527	38		
Sludge Disposed, lb/mg Sludge Disposed, tons/mg	1,536 0.77	1,537 0.77	1,537 0.77	1,538 0.77		
Sludge Hauled, gal/day	0.77 921	691	0.77 461	230		
Sludge Hauled, gal/month	27,632	20,734	13,823	6,913		

TECH.04-2						
PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS						
PHASE II						
INFLUENT CONDITIONS						
Design Flow Rate, mgd 0.200		Aeration Vol,		26,208		
Infl. BOD, mg/l 300		Clarifier Diam	•	35		
Infl. TSS, mg/l 240			Wall Depth, ft	9.75		
Infl. VSS, mg/l 192		Clarifier Surfa		962		
BOD Loading, lb/day 500		Clarifier Volur	•	9,381		
BOD Load, #/1000 cu ft 19.1		Temperature	, deg C	20		
Actual Plant Loading, %	100%	75.0%	50%	25.0%		
Actual Flow Rate, mgd	0.200	0.150	0.100	0.050		
BOD Loading, #/Day	500	375	250	125		
Ret. Sludge Rate, gpd/sq ft	400	400	400	400		
Ret. Sludge Flow, mgd	0.38	0.38	0.38	0.38		
t = Aeration Time, days	0.980	1.307	1.960	3.921		
ts = Sludge Age, Days	10.0	13.5	20.0	40.0		
Km = BOD Removal Metabolic Factor	360	360	360	360		
Ks = Synthesis Factor	250	250	250	250		
Ke = Endogenous Metabolism Factor	0.24	0.18	0.12	0.06		
F = Effl Soluble BOD	0.85	0.64	0.42	0.21		
Ma = Active Mass	623	632	624	625		
Me = Endogenous Mass	359	364	360	360		
Mi = Inert Organic Mass	686	694	686	686		
Mii = Inert Inorganic Mass	710	719	711	711		
Mt = Total Mass, mg/l	2,378	2,409	2,380	2,381		
Total Mass in Aeration Basin, Ib	3,889	3,938	3,891	3,892		
Lb BOD/Lb MLSS/Day Effl TSS, mg/l	0.129 5	0.095 5	0.064 5	0.032 5		
Effl BOD, mg/l	2	1	1	1		
Lili BOD, flig/i	2	'	ı			
Sludge Accumulation, lb/day	389	292	195	97		
TSS Lost In Effluent, lb/day	8	6	4	2		
Waste Sludge, lb/day	381	286	191	95		
Return Sludge Conc, mg/l	3,614	3,348	2,998	2,690		
Waste Sludge Conc, mg/l	10,000	10,000	10,000	10,000		
Waste Sludge Flow, gpd	4,567	3,426	2,285	1,143		
AEROBIC DIGESTER	0.550					
Volume, cu ft	6,552	47.40	00.40	50.07		
Design Loading, cu ft/lb BOD	13.09	17.46	26.19	52.37		
Incoming Sludge Conc, mg/l	10,000 20,000	10,000	10,000	10,000		
Thick Sludge Conc, mg/l Detention, Days	20,000 21.46	20,000 28.61	20,000 42.89	20,000 85.76		
Infl Total Solids, lb/day	381	286	191	95		
Infl Active Mass, Ib/day	100	75	50	25		
Effl Active Mass, lb/Day	16	12	8	4		
Active Mass Red., lb/day	67	50	33	17		
Digester Effl Solids, lb/day	314	236	157	79		
Sludge Disposed, lb/mg	1,570	1,571	1,571	1,571		
Sludge Disposed, tons/mg	0.79	0.79	0.79	0.79		
Sludge Hauled, gal/day	1,883	1,413	942	471		
Sludge Hauled, gal/month	56,481	42,378	28,255	14,131		

ATTACHMENT TECH.05 Map and List of Facilities within 3 Miles And Service Request Correspondence

(Reference Technical Report Page 19, Section 1B3)





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: HYDROTEX LLC SPRING BRANCH VILLAS WWTP APPLICATION FOR A NEW TPDES PERMIT

THREE MILE RADIUS PERMITEE MAP

	DRAWN B	DWG. NO.:	
ıi	APPROVE		
"	SCALE: AS	т	
	DATE:	8/14/2024	''
	IOB No ·	6000 22020	

TECH.05

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429

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

August 14, 2024

Cert. Mail Receipt 9589 0710 5270 1232 7844 44

Crystal Springs Water Co Inc P.O. Box 603 Porter, Texas 77356

Re:

TCEQ Waste Discharge Permit No. WQ0015349001 - Ponderosa Pines Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of HydroTex LLC regarding a proposed wastewater treatment facility project to serve a residential subdivision in Montgomery County, located near 19715 Old Hwy 105 E, Cleveland, TX 77328, as shown on the attached map. HydroTex LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 200,000 gallons per day (gpd).

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

We will appreciate receiving a response from you indicating if 200,000 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 <u>danny@waterengineers.com</u> 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,

WATER ENGINEERS, INC.

Danny Parks, P.E.

cc:

HydroTex LLC

Attachment: 3-Mile Radius Map

	REPLY
Date of Reply:	Signature:
Name of Permittee: <u>Crystal Springs Water Co Inc</u>	Printed Name: Ton a Mate
Capacity Available (Yes / No)?	Title: CEO President
Terms (if available)	Address: Polox 603
H-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M-M	Porte TZ 77365
	Telephone: 2813545136
	Email:

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429 TEL: 281-373-0500 FAX: 281-373-1113

August 14, 2024

Cert. Mail Receipt 9589 0710 5270 1232 7844 51

C & R Water Supply Inc P. O. Box 187 Willis, Texas 77378

Re: TCEQ Waste Discharge Permit No. WQ0014285001 - Emerson Estates Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of HydroTex LLC regarding a proposed wastewater treatment facility project to serve a residential subdivision in Montgomery County, located near 19715 Old Hwy 105 E, Cleveland, TX 77328, as shown on the attached map. HydroTex LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 200,000 gallons per day (gpd).

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

We will appreciate receiving a response from you indicating if 200,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,
WATERENGINEERS, INC.

Danny Parks, P.E.

cc: HydroTex LLC

Attachment: 3-Mile Radius Map

Date of Reply: 3-20-24	REPLY Signature:
	Printed Name: Michael Pawalowsk
Name of Permittee: <u>C & R Water Supply Inc</u>	Printed Name: Michael Fawaloush
Capacity Available (Yes No)	Title:
Terms (if available)	Address:
	-
	Telephone:
	Email:

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429

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

August 14, 2024

Cert. Mail Receipt 9589 0710 5270 1232 7844 68

Splendora Acquisitions LTD 4803 River Place Boulevard Austin, Texas 78730

Re: TCEQ Waste Discharge Permit No. WQ0016245001 – Presley Pines Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of HydroTex LLC regarding a proposed wastewater treatment facility project to serve a residential subdivision in Montgomery County, located near 19715 Old Hwy 105 E, Cleveland, TX 77328, as shown on the attached map. HydroTex LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 200,000 gallons per day (gpd).

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

We will appreciate receiving a response from you indicating if 200,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,

WATERENGINEERS, INC.

Damy Parks, P.E.

cc:

HydroTex LLC

Attachment: 3-Mile Radius Map

Date of Reply: _______ Signature: _______ Signature: _______ Name of Permittee: Splendora Acquisitions LTD Printed Name: _______ Capacity Available (Yes / No)? ______ Title: _______ Terms (if available) ______ Address: _______ Telephone: ______ Email: _______

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429

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

August 14, 2024

Cert. Mail Receipt 9589 0710 5270 1232 7844 75

Marian Trails Development Company LLC 1401 Woodland Parkway Spring, Texas 77380

Re:

TCEQ Waste Discharge Permit No. WQ0016270001 - Firefly Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of HydroTex LLC regarding a proposed wastewater treatment facility project to serve a residential subdivision in Montgomery County, located near 19715 Old Hwy 105 E, Cleveland, TX 77328, as shown on the attached map. HydroTex LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 200,000 gallons per day (gpd).

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

We will appreciate receiving a response from you indicating if 200,000 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 <u>danny@waterengineers.com</u> or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely,

WATERENGINEERS, INC.

Danny Parks, P.E.

cc:

HydroTex LLC

Attachment: 3-Mile Radius Map

REI	PLY
Date of Reply: 8120124	Signature:
Name of Permittee: Marian Trails Development Company LLC	Printed Name: Ragan Rosinson
Capacity Available (Yes / No)	Title: Land Acquisition Manager
Terms (if available)	Address: 1401 Woodlads Pkay
	The Woodlands TX 77380
	Telephone: 913 -45 2 -1717
	Email: rosins en Q zigwordicoupy.co

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	PS Form 3800, January 2023 PSN 7530-02-000-90-17	See Reverse for Instructions



XOOK

A. Signature

COMPLETE THIS SECTION ON DELIVERY

PEC52-6309

RES

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B. Received by (Printed Name)

C. Date of Deliver ☐ Addresse Agent

D. Is delivery address different from item 17 Pss If YES, enter delivery address below:

☐ Priority Mail Express®
☐ Registered Mail™
☐ Registered Mail Restrict
Delivery

4

Leah Whallon

From: Danny Parks <danny@waterengineers.com>

Sent: Monday, October 28, 2024 8:52 AM

To: Leah Whallon Cc: Shelley Young

Subject: Application for Proposed Permit No. WQ0016647001; Hydrotex LLC; Spring Branch

Villas WWTP

Attachments: 07 - ADMIN.03 (Core Data Form) - R2 - SIGNED.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Good Morning Ms. Wallon!

Please see the attached updated core data form!

Regards,

Danny Parks, P.E.

WaterEngineers, Inc. | TBPE Firm No. 2066

17230 Huffmeister Rd., Suite A Cypress, Texas 77429

Office: 281-373-0500 www.waterengineers.com

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

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

Sent: Friday, October 25, 2024 10:31 AM

To: Danny Parks <danny@waterengineers.com> **Cc:** Shelley Young <syoung@waterengineers.com>

Subject: RE: Application for Proposed Permit No. WQ0016647001; Hydrotex LLC; Spring Branch Villas WWTP

Thank you, Danny!

The map link is generated from the coordinates provided on the core data form. If you'd like to change them, can you please also send an updated core data form?

Please let me know if you have any questions.

Thanks,



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

From: Danny Parks < danny@waterengineers.com >

Sent: Thursday, October 24, 2024 4:17 PM

To: Leah Whallon < Leah. Whallon @Tceq. Texas. Gov > Cc: Shelley Young < syoung@waterengineers.com >

Subject: Application for Proposed Permit No. WQ0016647001; Hydrotex LLC; Spring Branch Villas WWTP

Hello Ms. Wallon!

- 1. I have one comment for the NORI. The coordinate link shows the location of the Outfall. The WWTP is located approximately at 30.316398, -95.263955. Please see my markups on your NOD attached. Link should be (https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.263955,30.316398&level=18)
- 2. Please also see the attached Spanish translation of the subject NORI. (I have updated the WWTP Location Coordinate Link as noted above.)

Thank you!

Regards,

Danny Parks, P.E.

WaterEngineers, Inc. | TBPE Firm No. 2066

17230 Huffmeister Rd., Suite A Cypress, Texas 77429

Office: 281-373-0500 www.waterengineers.com

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

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

Sent: Thursday, October 24, 2024 2:47 PM

To: Danny Parks < danny@waterengineers.com

Cc: Shelley Young < syoung@waterengineers.com

Subject: Application for Proposed Permit No. WQ0016647001; Hydrotex LLC; Spring Branch Villas WWTP

Good Afternoon,

Please see the attached Notice of Deficiency letter dated October 24, 2024 requesting additional information needed to declare the application administratively complete. Please send the complete response by November 7, 2024.

Please let me know if you have any questions.

Thank you,



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



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (i) other is checked please describe in space provided.)												
New Pern	nit, Registra	tion or Authorization	(Core Data Fo	orm should be s	submitte	ed with	the prog	ram apı	olication.)			
Renewal (Core Data I	Form should be submit	tted with the	renewal form)			□ o	ther				
2. Customer	Reference	Number (if issued)		Follow this li	ink to se	earch	3. Reg	gulated	l Entity Ref	erence	Number (if is	ssued)
CN 6060155	43			for CN or RN Central R			RN 1	12063	508			
SECTION	N II:	Customer	Infor	mation	1							
					•							
4. General Cເ	istomer In	formation	5. Effectiv	e Date for Cu	ıstome	r Info	rmation	Update	es (mm/dd/y	/ууу)		10/28/2024
New Custor			•	tomer Informa				_	egulated Ent	ity Owne	ership	
		Verifiable with the Te										
		bmitted here may l Iller of Public Accou	-	automatical	ly base	d on v	vhat is c	urrent	and active	with th	e Texas Secr	etary of State
		-										
6. Customer	Legal Nam	e (If an individual, pri	nt last name _.	first: eg: Doe, J	ohn)			<u>If new</u>	Customer, 6	enter pre	evious Custom	er below:
HydroTex, LLC												
7. TX SOS/CP	A Filing Nu	umber	8. TX Stat	e Tax ID (11 d	igits)			9. Fe	deral Tax II)	10. DUNS I	Number (if
0803832324			320766800	35				(9 digits)				
11. Type of C	ustomer:	☐ Corporat	tion				Individ	dual		Partne	rship: 🗌 Gen	eral 🗌 Limited
Government:	City 🔲 C	County 🗌 Federal 🗌	Local 🗌 Sta	te 🗌 Other		[Sole P	roprieto	rship	⊠ Otl	ner: Limited Li	ability Company
12. Number o	of Employe	ees						13. lı	ndependen	tly Ow	ned and Ope	rated?
☑ 0-20 2	21-100	101-250 251-	500 🗌 50	1 and higher				⊠ Ye	es [☐ No		
14. Customer	Role (Prop	oosed or Actual) – as i	t relates to th	ne Regulated Er	ntity list	ed on t	his form.	Please o	heck one of	the follo	wing	
□ Owner □ Operator □ Owner & Operator □ Occupational Licensee □ Responsible Party □ VCP/BSA Applicant Other:												
45.56	101 Parklane Blvd., STE 102											
15. Mailing												
Address: City Sugar Land State TX ZIP 7747						77478	3		ZIP + 4			
16. Country N	Mailing Inf	ormation (if outside	USA)			17. E	-Mail A	ddress	(if applicable	?)		
						kevin	@trinityr	esident	aldev.com			
18. Telephone Number 19. Extension or						r Code 20. Fax Number (if applicable)						

TCEQ-10400 (11/22) Page 1 of 3

(832) 607-2964		() -
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SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity" is selected, a new permit application is also required.)								
New Regulated Entity Update to Regulated Entity Name Update to Regulated Entity Information								
The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).								
22. Regulated Entity Nan	ne (Enter nan	ne of the site wher	re the regulated action	n is taking place	2.)			
Spring Branch Villas Wastewater Treatment Plant								
23. Street Address of the Regulated Entity:								
(No PO Boxes)	City		State		ZIP		ZIP + 4	
24. County								
		If no Stre	et Address is provi	ded, fields 25	-28 are requ	ired.		
25. Description to Physical Location:	Approxima	tely 1,500 feet nor	rtheast of the intersec	tion of Metts R	oad and Old H	Highway 105 E., Cleve	land, TX 773	228
26. Nearest City					S	tate	Nea	rest ZIP Code
Cleveland TX 77328								
Cleveland					''	`	773	28
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39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

TCEQ-10400 (11/22) Page 2 of 3

☐ Dam Safety		Districts	Edwards Aquifer		Emissions Inventory Air		☐ Industrial Hazardous Waste	
Municipal Solid Waste		New Source Review Air	OSSF		Petroleum Storage Tank		PWS	
Sludge		Storm Water	☐ Title V Air		Tires		Used Oil	
☐ Voluntary C	leanup		☐ Wastewater Agricul	ture Wate		ater Rights	Other:	
		TPDES Proposed						
SECTION IV: Preparer Information								
40. Name:	Danny Parks, P.E.			41. Title:	Р	Project Engineer		

40. Name: Danny Parks, P.E.				41. Title:	Project Engineer	
42. Telephone Number		43. Ext./Code	44. Fax Number	45. E-Mail Address		
(281) 373-0500			() -	danny@wate	erengineers.com	

SECTION V: Authorized Signature

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

Company:	WaterEngineers, Inc.	Job Title:	Project En	gineer	
Name (In Print):	Danny Parks, P.E.		Phone:	(281) 373-0500	
Signature:	Day (hy			Date:	10/28/2024

TCEQ-10400 (11/22) Page 3 of 3 Jon Niermann, *Chairman*Bobby Janecka, *Commissioner*Catarina R. Gonzales, *Commissioner*Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

October 24, 2024

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

RE: Application for Proposed Permit No.: WO0016647001 (EPA I.D. No. TX0146803)

Applicant Name: Hydrotex LLC (CN606015543)

Site Name: Spring Branch Villas WWTP (RN112063508)

Type of Application: New

VIA EMAIL

Dear Mr. Parks:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Hydrotex LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016647001 (EPA I.D. No. TX0146803) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 200,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1,500 feet northeast of the intersection of Metts Road and Old Highway 105, near the city of Cleveland, in Montgomery County, Texas 77328. The discharge route will be from the plant site to a man-made drainage ditch, thence to a roadside ditch along Old Highway 105 East flowing northwest, thence to Spring Branch, thence to Caney Creek (pending RWA). TCEQ received this application on October 14, 2024. The permit application will be available for viewing and copying at Montgomery County Library – Central Branch, 104 Interstate 45 North, Conroe, in Montgomery 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=-95.26397,30.314743&level=18

Further information may also be obtained from Hydrotex LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

That Coordinate is for the Outfall Location. The WWTP Facility is located approximately at 30.316398, -95.263955

Mr. Danny Parks, P.E. Page 2 October 24, 2024 Permit No. WQ0016647001

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

Please submit the complete response, addressed to my attention by November 7, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,

Leah Whallon

Applications Review and Processing Team (MC148)

Water Quality Division

Texas Commission of Environmental Quality

Jean Whallor

lcw

Enclosure

Municipal Discharge New Spanish NORI

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

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	. WQoo
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SOLICITUD. Hydrotex LLC, 101 Parklane Boulevard, Suite 102, Sugar Land, Texas 77478 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016647001 (EPA I.D. No. TX0146803) 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 200,000 por día. La planta está ubicada aproximadamente 1,500 pies al noreste de la intersección de Metts Road y Old Highway 105, cerca la ciudad de cleveland en el Condado de Montgomery, Texas. La ruta de descarga es del sitio de la planta a una zanja de drenaje artificial, de allí a una zanja al borde de la carretera a lo largo de Old Highway 105 East fluyendo hacia el noroeste, de allí a Spring Branch, de allí a Caney Creek (pendiente de RWA). La TCEQ recibió esta solicitud el 14 de octubre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en en la Biblioteca del Condado de Montgomery – Sucursal Central, 104 Interestatal 45 Norte, Conroe, en el condado de Montgomery, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.263955,30.316398&level=18

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

AVISO 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 proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Hydrotex LLC a la dirección indicada arriba o llamando a Sr. Danny Parks, P.E., WaterEngineers, Inc., al 281-373-0500.

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