

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

FM 149 Utilities LLC (CN: Proposed) proposes to operate the Tower Oaks Wastewater Treatment Plant (RN: Proposed)), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 600 feet Northwest of the intersection of Bailey Grove Road and FM 149, in Montgomery, Montgomery County, Texas 77356. This application is for a new permit to discharge at a daily average flow of 25,000 gallons per day of treated domestic wastewater.

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

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

FM 149 Utilities LLC (CN: Propuesto) propone operar La planta de tratamiento de aguas residuales de Towering Oaks RN: Propuesto), un planta de lodos activados convencionales con proceso de nitrificación. La instalación estará ubicada en Aproximadamente a 600 pies al noroeste de la intersección de Bailey GroveRoad y FM 149, en Montgomery, Condado de Montgomery, Texas Esta solicitud es para un nuevo permiso para descargar un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas. Esta solicitud es para un nuevo permiso para descargar a un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (SST), nitrógeno amoniacal (NH3-N) y Escherichia coli. Se incluyen contaminantes potenciales adicionales en el Informe Técnico Nacional 1.0, Sección 7 (Análisis de contaminantes del efluente tratado) en el paquete de solicitud de permiso. Las aguas residuales domésticas. estará tratado por una planta de lodos activados convencional con proceso de nitrificación y las unidades de tratamiento incluirán una criba de barras, balsa de ecualización, balsas 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. WQ0016739001

APPLICATION. FM 149 Utilities LLC, 21760 Bailey Grove Road, Montgomery, Texas 77356, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016739001 (EPA I.D. No. TX0147532) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 25,000 gallons per day. The domestic wastewater treatment facility will be located approximately 600 feet northwest of the intersection of Bailey Grove Road and Farm-to-Market Road 149, near the city of Montgomery, in Montgomery County, Texas 77356. The discharge route will be from the plant site via pipe to Little Lake Creek, thence to Lake Conroe. TCEQ received this application on February 25, 2025. The permit application will be available for viewing and copying at Montgomery County Central Library, 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=-95.69874,30.44718&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 FM 149 Utilities LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

Issuance Date: March 21, 2025

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ0016739001

SOLICITUD. FM 149 Utilities LLC, 21760 Bailey Grove Road, Montgomery, Texas 77356, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016739001 (EPA I.D. No. TX0147532) 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 25,000 galones por día. La planta estará ubicada aproximadamente 600 pies al noroeste de la intersección de Bailey Grove Road y FM 149 en el Condado de Montgomery, Texas 77356. La ruta de descarga es del sitio de la planta a Little Lake Creek, de allí al lago Conroe. La TCEQ recibió esta solicitud el 25 de febrero de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca central del condado de Montgomery, 104 Interstate 45 North, 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=-95.698742,30.447180&level=18

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

solicitudes en un condado específico. Si desea que se 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.

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 FM 149 Utilities LLC a la dirección indicada arriba o llamando a Sr. Danny Parks, P.E., WaterEngineers, Inc., al 281-373-0500.

Fecha de emisión el 21 de marzo de 2025

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

February 25, 2025

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

Re:

FM 149 Utilities LLC

Application for a New TPDES Permit

Towering Oaks Wastewater Treatment Plant

Dear Sir/Ms:

Enclosed please find the original and one copy of the Application for a New Texas Pollution Discharge Elimination System Permit for the proposed Tower Oaks Wastewater Treatment Plant in Montgomery County, TX.

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

Sincerely,

WATERENGINEERS, INC.

Danny C. Parks, P.E.

Encl: As noted

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

TOWERING OAKS WASTEWATER TREATMENT PLANT

FM 149 UTILITIES LLC 21760 Bailey Grove Road Montgomery, TX 77356

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

February 2025

APPLICATION FOR A NEW TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT

FOR

FM 149 UTILITIES LLC

TOWERING OAKS WASTEWATER TREATMENT PLANT

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

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

PERMIT NUMBER (If new, leave blank): WQ00Proposed

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

	Y	N		Y	N
Administrative Report 1.0	\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	
Summary of Application (PLS)	\boxtimes		Flow Diagram	\boxtimes	
Public Involvement Plan Form	\boxtimes		Site Drawing	\boxtimes	
Technical Report 1.0	\boxtimes		Original Photographs	\boxtimes	
Technical Report 1.1	\boxtimes		Design Calculations	\boxtimes	
Worksheet 2.0	\boxtimes		Solids Management Plan	\boxtimes	
Worksheet 2.1	\boxtimes		Water Balance		\boxtimes
Worksheet 3.0		\boxtimes			
Worksheet 3.1		\boxtimes			
Worksheet 3.2		\boxtimes			
Worksheet 3.3		\boxtimes			
Worksheet 4.0		\boxtimes			
Worksheet 5.0		\boxtimes			
Worksheet 6.0		\boxtimes			
Worksheet 7.0		\boxtimes			
For TCEQ Use Only					

Segment Number _____County _____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

Mailed Check/Money Order Number: <u>1527</u>

Check/Money Order Amount: \$350.00

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.	Che	ck the box next to the appropriate authorization type.
		Publicly Owned Domestic Wastewater
	\boxtimes	Privately-Owned Domestic Wastewater
		Conventional Water Treatment
b.	Che	ck 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
		TPDES Permit with TLAP component

		Subsurface Area Drip Dispersal	System (SADI	OS)			
d.	L. Check the box next to the appropriate application type						
	\boxtimes	New					
		Major Amendment <u>with</u> Renewa	1		Minor Amendment with Renewal		
		Major Amendment <u>without</u> Rene	ewal		Minor Amendment without Renewal		
		Renewal without changes			Minor Modification of permit		
e.	For	amendments or modifications, d	escribe the pr	opo	sed changes: Click to enter text.		
f.	For	existing permits:					
	Per	mit Number: WQ00 Click to enter	text.				
	EPA	A I.D. (TPDES only): TX Click to en	ter text.				
	Exp	oiration Date: Click to enter text.					
Se	ctio			nd	Co-Applicant Information		
		(Instructions Page	26)				
A.	The	e owner of the facility must app	ly for the per	mit.			
	Wh	at is the Legal Name of the entity	(applicant) ap	ply	ing for this permit?		
	<u>FM</u>	149 Utilities LLC					
		e legal name must be spelled exac legal documents forming the enti		th th	ne Texas Secretary of State, County, or in		
					, what is the Customer Number (CN)? http://www15.tceq.texas.gov/crpub/		
		CN: <u>Proposed</u>					
		at is the name and title of the percutive official meeting signatory			pplication? The person must be an 80 TAC § 305.44.		
		Prefix: <u>Ms.</u>	Last Name, Fi	irst	Name: <u>Schenck, Yvette</u>		
		Title: <u>Owner</u>	Credential: C	lick	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

Check one or both:

Administrative Contact

Technical Contact

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

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

Organization Name: Click to enter text.

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

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

Check one or both: \square Administrative Contact \square Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Ms. Last Name, First Name: Schenck, Yvette

Title: Owner Credential: Click to enter text.

Organization Name: FM 149 Utilities LLC

Mailing Address: <u>21760 Bailey Grove Rd.</u> City, State, Zip Code: <u>Montgomery, TX 77356</u>

Phone No.: <u>936-648-4823</u> E-mail Address: <u>yvette@schenckbuilders.com</u>

B. Prefix: Mr. Last Name, First Name: Schenck, Matthew

Title: Manager Credential: Click to enter text.

Organization Name: FM 149 Utilities LLC

Mailing Address: <u>21760 Bailey Grove Rd.</u> City, State, Zip Code: <u>Montgomery, TX 77356</u>

Phone No.: 832-250-9484 E-mail Address: matt@schenckbuilders.com

Section 6. Billing Contact Information (Instructions Page 27)

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

Prefix: Mr. Last Name, First Name: Schenck, Matthew

Title: Manager Credential: Click to enter text.

Organization Name: FM 149 Utilities LLC

Mailing Address: <u>21760 Bailey Grove Rd.</u> City, State, Zip Code: <u>Montgomery, TX 77356</u>

Phone No.: 832-250-9484 E-mail Address: matt@schenckbuilders.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: Schenck, Matthew

Title: Manager Credential: Click to enter text.

Organization Name: FM 149 Utilities LLC

Mailing Address: <u>21760 Bailey Grove Rd.</u> City, State, Zip Code: <u>Montgomery, TX 77356</u>

Phone No.: 832-250-9484 E-mail Address: matt@schenckbuilders.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: <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.: 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 Central Library Location within the building: Reference Desk Physical Address of Building: 104 Interstate 45 N City: Conroe, TX 77301 County: Montgomery Contact (Last Name, First Name): Click to enter text. 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 Yes No If **no.** publication of an alternative language notice is not required; **skip to** Section 9 below. 2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school? Yes No 3. Do the students at these schools attend a bilingual education program at another location? Yes No 4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)? \boxtimes No

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

F. Summary of Application in Plain Language Template

Yes

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

Attachment: Admin.04

G. Public Involvement Plan Form

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

Attachment: Admin.05

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

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

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

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

Towering Oaks Wastewater Treatment Plant

C.	Owner of treatment fac	ility	: <u>FM 149</u>	<u>Utilities</u>	LLC		
	Ownership of Facility:		Public	\boxtimes	Private	Both	Federal

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

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

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

Organization Name: FM 149 Utilities LLC

Mailing Address: 21760 Bailey Grove Rd. City, State, Zip Code: Montgomery, TX 77356

Phone No.: 832-250-9484 E-mail Address: matt@schenckbuilders.com

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

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

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

Organization Name: Click to enter text.

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

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

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

Attachment: Click to enter text.

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

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

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

	Organization Name: Click to enter text.
	Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.
	Phone No.: Click to enter text. E-mail Address: Click to enter text.
	If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.
	Attachment: Click to enter text.
C	antinu 10. TDDEC Disalama Information (Instruction Dec. 21)
	ection 10. TPDES Discharge Information (Instructions Page 31)
Α.	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 at 21760 Bailey Grove Rd., Montgomery, TX 77356 in Montgomery County.
В.	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 Little Lake Creek, thence to Lake Conroe
	in Segment No. 1012 of the San Jacinto River Basin.
	City nearest the outfall(s): <u>Montgomery</u>
	County in which the outfalls(s) is/are located: Montgomery
C	Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or
C.	a flood control district drainage ditch?
	□ Yes ⊠ No
	If yes , indicate by a check mark if:
	☐ Authorization granted ☐ Authorization pending
	For new and amendment applications, provide copies of letters that show proof of contact
	and the approval letter upon receipt.
	Attachment: Click to enter text.
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of
	discharge: Click to enter text.
Se	ection 11. TLAP Disposal Information (Instructions Page 32)
A	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
4 1.	☐ Yes ☐ No
	If no, or a new or amendment permit application , provide an accurate description of the disposal site location:

	Not a TLAP – N/A
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?
	□ Yes □ No ⊠ Not Applicable
	If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.
	Click to enter text.
C.	Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?
	□ Yes ⊠ No
	If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Click to enter text.
D.	Do you owe any fees to the TCEQ?
	□ Yes ⊠ No
	If yes , provide the following information:
	Account number: Click to enter text.
	Amount past due: Click to enter text.
E.	Do you owe any penalties to the TCEQ?
	□ Yes ⊠ No
	If yes , please provide the following information:
	Enforcement order number: Click to enter text.
	Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

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

- Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☐ Original full-size USGS Topographic Map with the following information:
 - Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- Other Attachments. Please specify: (Admin.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: FM 149 Utilities LLC

Certification:

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

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

Signatory name (typed or printed): Yvette Schenck

Signatory title: Owner

Signature: Yulta Lynolds School Date: February 20,2025
(Use blue ink)

Subscribed and Sworn to before me by the said OWNLY OF FM 149 Utilities UC on this 70th day of February , 2025.

My commission expires on the 7th day of August , 20 27.

Notary Public

County, Texas

MADISON SCHENCK DOOLEY Notary ID #132121103 My Commission Expires August 7, 2027

[SEAL]

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
		The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
		The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
		The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
		The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
		The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
		The property boundaries of all landowners surrounding the effluent disposal site
		The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
		The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
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.	⊠ labe	Indicate by a check mark that the landowners list has also been provided as mailing ls in electronic format (Avery 5160).
D.		ride the source of the landowners' names and mailing addresses: Montgomery County raisal District
Е.		equired by $Texas\ Water\ Code\ \S\ 5.115$, is any permanent school fund land affected by application?
		□ Yes ⊠ No

	land(s):		
	Clic	x to enter text.	
Se	ction	n 2. Original Photographs (Instructions Page 38)	
		original ground level photographs. Indicate with checkmarks that the following ion is provided.	
		At least one original photograph of the new or expanded treatment unit location	
		At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.	
		At least one photograph of the existing/proposed effluent disposal site	
		A plot plan or map showing the location and direction of each photograph	
S.c	atio	2 Puffer Zone Man (Instructions Dage 29)	
	ction	2	
Α.	infor	r zone map. Provide a buffer zone map on 8.5×11 -inch paper with all of the following mation. The applicant's property line and the buffer zone line may be distinguished by dashes or symbols and appropriate labels.	
	•	The applicant's property boundary; The required buffer zone; and Each treatment unit; and The distance from each treatment unit to the property boundaries.	
В.		r zone compliance method. Indicate how the buffer zone requirements will be met. k all that apply.	
		Ownership	
		Restrictive easement	
		Nuisance odor control	
		Variance	
C.		itable site characteristics. Does the facility comply with the requirements regarding table site characteristic found in 30 TAC § 309.13(a) through (d)?	
	\boxtimes	Yes No	

DOMESTIC WASTEWATER PERMIT APPLICATION SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: <u>ADMIN.09</u>

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.

approduced district the receive below that e been district executions				
Core Data Form (TCEQ Form No. 10400) (Required for all application types. Must be completed in its entirety a Note: Form may be signed by applicant representative.)	ınd s	igned.	\boxtimes	Yes
Correct and Current Industrial Wastewater Permit Application Forms (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 ad	⊠ 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	\boxtimes	Yes
 Things to Know: All the items shown on the map must be labeled. The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant. The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility. If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners if the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway. 			e they are owners djacent to ndowners. aphic	
Landowners Labels and Cross Reference List (See instructions for landowner requirements)		N/A		Yes
Electronic Application Submittal			Yes	
Original signature per 30 TAC § 305.44 - Blue Ink Preferred Yes (If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)				

Summary of Application (in Plain Language)

Yes

PALIFONMENTAL ONLY

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): <u>0.025</u> 2-Hr Peak Flow (MGD): <u>0.100</u>

Estimated construction start date: 6/1/2026Estimated waste disposal start date: 1/1/2027

B. Interim II Phase

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

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

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>0.025</u> 2-Hr Peak Flow (MGD): 0.100

Estimated construction start date: 6/1/2026Estimated waste disposal start date: 1/1/2027

D. Current Operating Phase

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

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

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

B. Treatment Units

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

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Equalization Basin	1	103-sqft x 10.50-ft
Aeration Basins	2	142-sqft x 10.50-ft
Clarifier	1	12-ft Diam. x 10.43-ft
Chlorine Contact Basin	1	23-sqft x 8.63-ft
Aerobic Digester / Sludge Holding Basins	1	103-sqft 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 43)

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

• Latitude: 30.447564

• Longitude: -95.698652

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

• Latitude: N/A

• Longitude: N/A

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

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

Attachment: TECH.03

Provide the name and a des				
The Towering Oaks Wastewater Treatment Plant will serve a proposed t <u>iny home</u> expansion.				
Collection System Information for wastewater TPDES permits only : Provide information for each uniquely owned collection system, existing and new, served by this facility, including satellite collection systems. Please see the instructions for a detailed explanation and examples .				
Collection System Information				
Collection System Name	Owner Name	Owner Type	Population Served	
Towering Oaks Collection System	FM 149 Utilities LLC	Privately Owned	Phase I / Final: 320	
		Choose an item.		
		Choose an item.		
		Choose an item.		
years of being authorized by the TCEQ? Yes No If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.				
Click to enter text.				
Section 5. Closure I	Plans (Instruction	ons Page 44)		
Have any treatment units be out of service in the next five		rice permanently, or wil	ll any units be taken	
□ 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.		
Se	ection 6. Permit Specific Requirements (Instructions Page 44) r applicants with an existing permit, check the Other Requirements or Special ovisions of the permit.		
	Summary transmittal		
A.	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 6/2026.		
В.	Buffer zones		
	Have the buffer zone requirements been met?		
	⊠ Yes □ No		
	Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.		
	Click to enter text.		

	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
		y es , provide information below on the status of any actions taken to meet the nditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
	C	lick to enter text.
D.	Gr	it and grease treatment
	1.	Acceptance of grit and grease waste
		Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?
		□ Yes ⊠ No
		If No, stop here and continue with Subsection E. Stormwater Management.
	2.	Grit and grease processing
		Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.
		Click to enter text.
	_	
	3.	Grit disposal
		Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?
		□ Yes □ No
		If No , contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

C. Other actions required by the current permit

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 ves 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.	Dis	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. ck to enter text.
G.	Ot	her wastes received including sludge from other WWTPs and septic waste
	1.	Acceptance of sludge from other WWTPs
		Does or will the facility accept sludge from other treatment plants at the facility site?
		□ Yes ⊠ No
		If yes, attach sewage sludge solids management plan. See Example 5 of instructions.
		In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an
		estimate of the BOD ₅ concentration of the sludge, and the design BOD ₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.
		Click to enter text.
		Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
	2.	Acceptance of septic waste
		Is the facility accepting or will it accept septic waste?
		□ Yes ⊠ No
		If yes, does the facility have a Type V processing unit?
		□ Yes □ No
		If yes, does the unit have a Municipal Solid Waste permit?
		□ Yes □ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.			
Note: Downsite that accept aludge from	_		

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	\boxtimes	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 49)

Is the facility in operation?

□ Yes ⊠ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, 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 49)

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.

[†]TLAP permits only

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

A.

B.

WW	TP's Sewage Sludge or Biosolids Management Facility Type
Che	ck all that apply. See instructions for guidance
	Design flow>= 1 MGD
	Serves >= 10,000 people
	Class I Sludge Management Facility (per 40 CFR § 503.9)
\boxtimes	Biosolids generator
	Biosolids end user – land application (onsite)
	Biosolids end user – surface disposal (onsite)
	Biosolids end user – incinerator (onsite)
ww	TP's Sewage Sludge or Biosolids Treatment Process
Che	ck all that apply. See instructions for guidance.
\boxtimes	Aerobic Digestion
	Air Drying (or sludge drying beds)
	Lower Temperature Composting
	Lime Stabilization
	Higher Temperature Composting
	Heat Drying
	Thermophilic Aerobic Digestion
	Beta Ray Irradiation
	Gamma Ray Irradiation
	Pasteurization
	Preliminary Operation (e.g. grinding, de-gritting, blending)
	Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
	Sludge Lagoon
	Temporary Storage (< 2 years)
	Long Term Storage (>= 2 years)
	Methane or Biogas Recovery
	Other Treatment Process: Click to enter text.

C. Sewage Sludge or Biosolids Management

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

Biosolids Management

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

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

D. Disposal site

Disposal site name: <u>Wastewater Residuals Management</u> TCEQ permit or registration number: <u>WQ0003987000</u>

County where disposal site is located: Harris

E. Transportation method

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

Name of the hauler: Wastewater Transport Services

Hauler registration number: 24343

Sludge is transported as a:

Liquid oxtimes semi-liquid oxtimes semi-solid oxtimes solid oxtimes

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

A. Beneficial use authorization

Does the existing permit include authorization for land application of biosolids for beneficial use?
□ Yes ⊠ No
If yes , are you requesting to continue this authorization to land apply biosolids for beneficial use?
□ Yes □ No
If yes, is the completed Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451) attached to this permit application (see the instructions for details)?

B. Sludge processing authorization

Does the existing permit include authorization for storage or disposal options?	or any	y of the	follow	ring sludge processing,
Sludge Composting		Yes	\boxtimes	No
Marketing and Distribution of Biosolids		Yes		No
Sludge Surface Disposal or Sludge Monofill		Yes	\boxtimes	No
Temporary storage in sludge lagoons		Yes	\boxtimes	No
If yes to any of the above sludge options and the authorization, is the completed Domestic Waste Technical Report (TCEQ Form No. 10056) attack	wate	r Permi	t Appl	ication: Sewage Sludge
□ Yes □ No				
Section 11. Sewage Sludge Lagoons (Ins	stru	ctions	Page	e 53)
Does this facility include sewage sludge lagoons?				
□ Yes □ No				
If yes, complete the remainder of this section. If no,	proc	eed to S	ection	12.
A. Location information				
The following maps are required to be submitted provide the Attachment Number.	l as p	art of tl	ne app	lication. For each map,
 Original General Highway (County) Map: 				
Attachment: Click to enter text.				
 USDA Natural Resources Conservation Ser 	vice S	Soil Ma _l):	
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 eapply.	xist w	vithin th	ie lago	on area. Check all that
☐ Overlap a designated 100-year frequency	floo	d plain		
\square 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 the protective measures to be utilized including		•	-	

Click to enter text.
Temporary storage information
Provide the results for the pollutant screening of sludge lagoons. These results are in
addition to pollutant results in Section 7 of Technical Report 1.0.
Nitrate Nitrogen, mg/kg: Click to enter text.
Total Kjeldahl Nitrogen, mg/kg: <u>Click to enter text.</u>
Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.
Phosphorus, mg/kg: Click to enter text.
Potassium, mg/kg: Click to enter text.
pH, standard units: <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.
Lead: Click to enter text.
Mercury: Click to enter text.
Molybdenum: Click to enter text.
Nickel: Click to enter text.
Selenium: Click to enter text.
Zinc: Click to enter text.
Total PCBs: <u>Click to enter text.</u>
Provide the following information:
Volume and frequency of sludge to the lagoon(s): Click to enter text.
Total dry tons stored in the lagoons(s) per 365-day period: Click to enter text.
Total dry tons stored in the lagoons(s) over the life of the unit: Click to enter text.
Liner information
Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic
conductivity of $1x10^{-7}$ cm/sec?
□ Yes □ No

B.

C.

	If yes	, describe the liner below. Please note that a liner is required.
	Click	to enter text.
D.	Site d	evelopment plan
	Provid	le a detailed description of the methods used to deposit sludge in the lagoon(s):
	Click	to enter text.
	Attacl	n the following documents to the application.
	•	Plan view and cross-section of the sludge lagoon(s)
		Attachment: Click to enter text.
	•	Copy of the closure plan
		Attachment: Click to enter text.
	•	Copy of deed recordation for the site
		Attachment: Click to enter text.
	•	Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
		Attachment: Click to enter text.
	•	Description of the method of controlling infiltration of groundwater and surface water from entering the site
		Attachment: Click to enter text.
	•	Procedures to prevent the occurrence of nuisance conditions
		Attachment: Click to enter text.
E.	Grour	ndwater monitoring
	groun	undwater monitoring currently conducted at this site, or are any wells available for dwater monitoring, or are groundwater monitoring data otherwise available for the lagoon(s)?
		Yes □ No
	types	undwater monitoring data are available, provide a copy. Provide a profile of soil encountered down to the groundwater table and the depth to the shallowest dwater as a separate attachment.
	At	tachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions

Page 54)

A Additional authorizations

A. Additional authorizations	
Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?	
□ Yes ⊠ No	
If yes, provide the TCEQ authorization number and description of the authorizati	on:
Click to enter text.	
B. Permittee enforcement status	
Is the permittee currently under enforcement for this facility?	
□ Yes ⊠ No	
Is the permittee required to meet an implementation schedule for compliance or enforcement?	
□ Yes ⊠ No	
If yes to either question, provide a brief summary of the enforcement, the implen schedule, and the current status:	nentati
Click to enter text.	
Section 13. RCRA/CERCLA Wastes (Instructions Page 55)	

A. RCRA hazardous wastes

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

□ Yes ⊠ No

B. Remediation activity wastewater

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

Yes	No

C. Details about wastes received

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

Attachment: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 55)

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

- The laboratory is an in-house laboratory and is:
 - o periodically inspected by the TCEQ; or
 - o located in another state and is accredited or inspected by that state; or
 - o performing work for another company with a unit located in the same site; or
 - 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:

Date: _____

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

Printed Name: <u>N/A – New Permit</u>
Title: Click to enter text.
Signature:

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

B.

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 denial of the proposed phase(s) or permit.
The proposed Towering Oaks Wastewater Treatment Plant is necessary to provide wastewater service for the proposed surrounding tiny home community. The complete buildout will consist of approximately 160 tiny homes.
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 not applicable. Proceed to Item 2 Utility CCN areas.
Is any portion of the proposed service area located in an incorporated city?
□ Yes ⊠ No □ Not Applicable
If yes, within the city limits of: <u>Click to enter text.</u>
If yes, attach correspondence from the city.
Attachment: Click to enter text.
If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.
Attachment: Click to enter text.
2. Utility CCN areas
Is any portion of the proposed service area located inside another utility's CCN area?
□ Yes ⊠ No

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

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

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

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

⊠ Yes □ No

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

Attachment: TECH.05

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

Attachment: TECH.05

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

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

□ Yes ⊠ No

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

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

A. Current organic loading

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

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

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): <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		
Trailer park - transient		
Mobile home park	0.025	500
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	0.025	
AVERAGE BOD₅ from all sources		500

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

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3
Total Phosphorus, mg/l: N/A
Dissolved Oxygen, mg/l: 4
Other: E. Coli: 126 mpn/100 ml

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: 126 mpn/100 ml

D. Disinfection Method

Identify the proposed method of disinfection.

☐ Chlorine: <u>1-4</u> mg/l after <u>20</u> minutes detention time at peak flow

Dechlorination process: Click to enter text.

- □ Ultraviolet Light: <u>Click to enter text.</u> seconds contact time at peak flow
- □ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 58)

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

Attachment: TECH.01

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

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

⊠ Yes □ No

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

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

FEMA Flood Map 48339Co200G dated August 18, 2014

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

	□ Yes ⊠ No
	If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?
	□ Yes □ No
	If yes, provide the permit number: Click to enter text.
	If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.
B.	Wind rose
	Attach a wind rose: TECH.03

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

A. Beneficial use authorization

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

□ Yes ⊠ No

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

B. Sludge processing authorization

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

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

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

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

Attach a solids management plan to the application.

Attachment: TECH.04

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

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Ouantity 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 63)
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?
□ Yes ⊠ No
If no , proceed it Section 2. If yes , provide the following:
Owner of the drinking water supply: Click to enter text.
Distance and direction to the intake: Click to enter text.
Attach a USGS map that identifies the location of the intake.
Attachment: Click to enter text.
Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)
Does the facility discharge into tidally affected waters?
□ Yes ⊠ No
If no , proceed to Section 3. If yes , complete the remainder of this section. If no, proceed to Section 3.
A. Receiving water outfall
Width of the receiving water at the outfall, in feet: Click to enter text.
B. Oyster waters
Are there oyster waters in the vicinity of the discharge?
□ Yes □ No
If yes, provide the distance and direction from outfall(s).
Click to enter text.
C. Sea grasses
Are there any sea grasses within the vicinity of the point of discharge?
□ Yes □ No
If yes, provide the distance and direction from the outfall(s).
Click to enter text.

Classified Segments (Instructions Page 63) Section 3. Is the discharge directly into (or within 300 feet of) a classified segment? \boxtimes 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 63)** Name of the immediate receiving waters: Little Lake Creek A. Receiving water type Identify the appropriate description of the receiving waters. \boxtimes Stream Freshwater Swamp or Marsh П Lake or Pond Surface area, in acres: Click to enter text. Average depth of the entire water body, in feet: Click to enter text. Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text. Man-made Channel or Ditch Open Bay Tidal Stream, Bayou, or Marsh Other, specify: Click to enter text. B. Flow characteristics If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area upstream of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one). Intermittent - dry for at least one week during most years Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses Perennial - normally flowing Check the method used to characterize the area upstream (or downstream for new dischargers). П USGS flow records Historical observation by adjacent landowners \boxtimes Personal observation Other, specify: Click to enter text.

C.	C. Downstream perennial confluences				
	List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.				
	Little	Lake Creek			
D.	Downs	stream characteristics			
		receiving water characteristics chan rge (e.g., natural or man-made dams,		ithin three miles downstream of the ds, reservoirs, etc.)?	
	\boxtimes	Yes 🗆 No			
	If yes,	discuss how.			
	Little	Lake Creek flows into Lake Conroe.			
E	Norma	l dry weather characteristics			
	Provide general observations of the water body during normal dry weather conditions.				
		Lake Creek was slowly flowing and had a		,	
	Date a	nd time of observation: <u>2/6/2025</u> @ 3	3:00	PM	
	Was th	e water body influenced by stormwa	iter r	runoff during observations?	
		Yes ⊠ No			
Se	ection	5. General Characteristics Page 65)	of	the Waterbody (Instructions	
A.	Upstre	am influences			
		mmediate receiving water upstream iced by any of the following? Check		ne discharge or proposed discharge site nat apply.	
		Oil field activities	\boxtimes	Urban runoff	
		Upstream discharges		Agricultural runoff	
		Septic tanks		Other(s), specify: Click to enter text.	

B.	Waterb	body uses		
	Observed or evidences of the following uses. Check all that apply.			
		Livestock watering		Contact recreation
		Irrigation withdrawal		Non-contact recreation
		Fishing		Navigation
		Domestic water supply		Industrial water supply
		Park activities	\boxtimes	Other(s), specify: N/A
C.	Waterb	ody aesthetics		
	Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.			
		☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional		
		Natural Area: trees and/or native v fields, pastures, dwellings); water	_	ation; some development evident (from y discolored
		Common Setting: not offensive; de or turbid	veloj	oed but uncluttered; water may be colored
		Offensive: stream does not enhance dumping areas; water discolored	e aes	thetics; cluttered; highly developed;

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.1: STREAM PHYSICAL CHARACTERISTICS

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

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

Section 1. General information (instructions Page 65)
Date of study: <u>2/6/2025</u> Time of study: <u>3:00 PM</u>
Stream name: <u>Little Lake Creek</u>
Location: 21760 Bailey Grove Rd, Montgomery, TX 77356
Type of stream upstream of existing discharge or downstream of proposed discharge (check one).
$oxed{oxed}$ Perennial $oxed{\Box}$ Intermittent with perennial pools
Section 2. Data Collection (Instructions Page 65)
Number of stream bends that are well defined: <u>o</u>
Number of stream bends that are moderately defined: 4
Number of stream bends that are poorly defined: 1
Number of riffles: <u>o</u>
Evidence of flow fluctuations (check one):
□ Minor ⊠ moderate □ severe
Indicate the observed stream uses and if there is evidence of flow fluctuations or channel obstruction/modification.
Fallen tree branch caused a natural weir. Bridge culvert downstream with pool.

Stream transects

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

Table 2.1(1) - Stream Transect Records

Stream type at transect	Transect location	Water surface	Stream depths (ft) at 4 to 10 points along each
Select riffle, run, glide, or pool. See Instructions, Definitions section.		width (ft)	transect from the channel bed to the water surface. Separate the measurements with commas.
Glide	Outfall Transect 1 (+0')	25.0'	1', 1.5', 3', 3.67' 2' 1'
Glide	Transect 1 (+100')	20.0'	1', 1.75', 2.83', 3.5', 2.5', 1.33'
Glide	Transect 2 (+200')	15.0'	2', 2.08', 2.33', 2.58, 2.25', 1.5'
Glide	Transect 3 (+400')	6.5'	0.25', 0.5', 0.58', 0.58', 0.33', 0.17'
Choose an item.			

Section 3. Summarize Measurements (Instructions Page 65)

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

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

Length of stream evaluated, in feet: 400

Number of lateral transects made: <u>4</u> Average stream width, in feet: <u>16.58'</u> Average stream depth, in feet: <u>1.68'</u>

Average stream velocity, in feet/second: o.25

Instantaneous stream flow, in cubic feet/second: 6.81

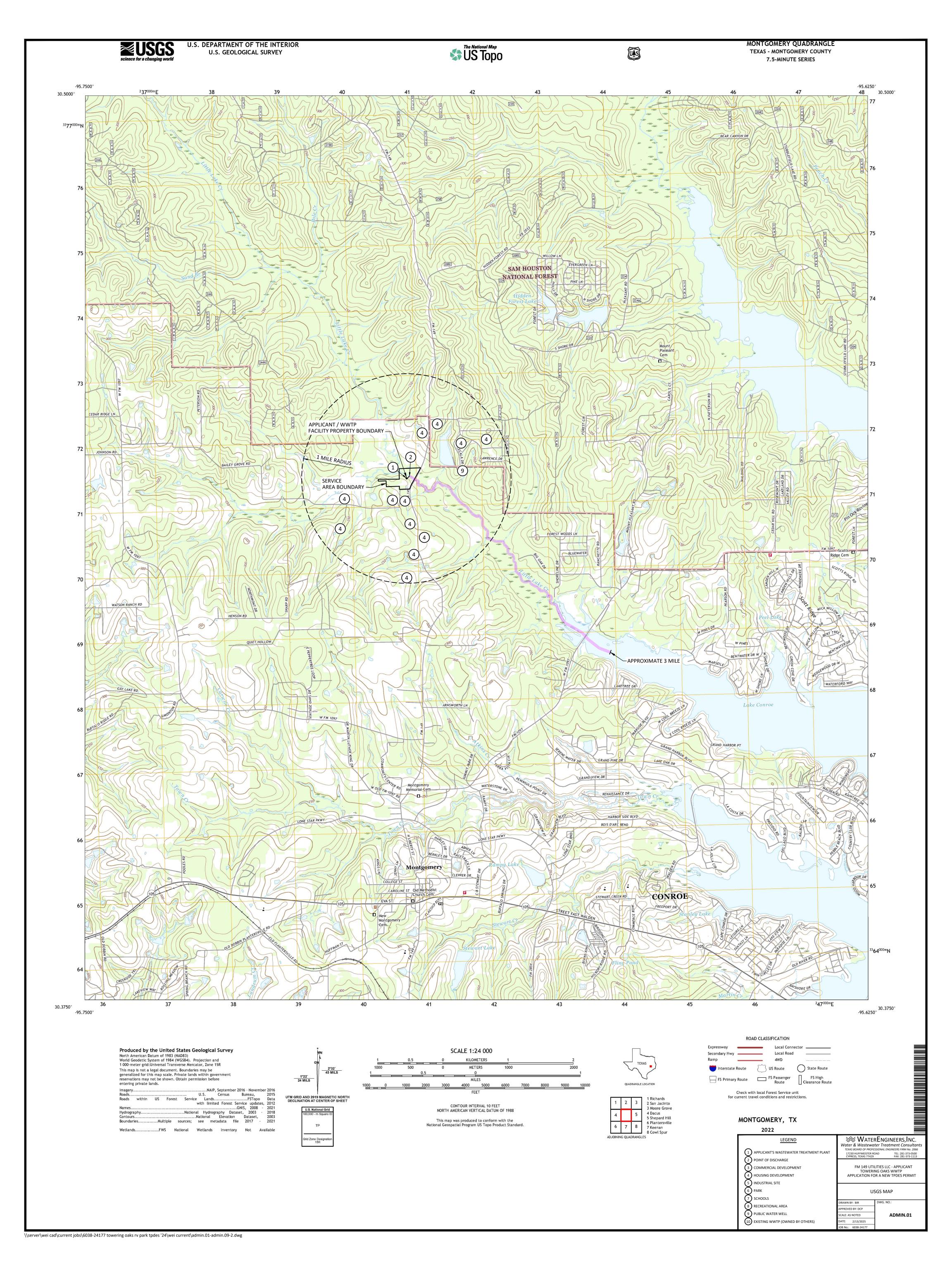
Indicate flow measurement method (type of meter, floating chip timed over a fixed distance, etc.): Floating leaf over fixed distance.

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

Maximum pool depth, in feet: N/A

ATTACHMENT ADMIN.01 USGS Topographic Map

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



ATTACHMENT ADMIN.02

Proof of Payment

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

ATTACHMENT ADMIN.03

Core Data Form

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



TCEQ Core Data Form

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

SECTION I: General Information

18. Telephone Number 19. Extension or C				ode	de 20. Fax Number (if applicable)							
						yvett	e@schen	ckbuilde	ers.com			
16. Country I	Mailing Inf	formation (if outside	USA)			17. E	-Mail Ad	ddress	(if applicable	e)		
Address:	City	Montgomery		State	TX		ZIP	77356	5		ZIP + 4	
15. Mailing	21/00 Ba	mey Glove Ru.										
Occupation		Responsible Pa	rty L	VCP/BSA App	olicant							
⊠Owner □		Operator		Owner & Opera					Other:			
14. Customer	r Role (Pro	posed or Actual) – as i	t relates to tl	ne Regulated Er	ntity list	ed on t	his form.	Please d	heck one of	the follo	wing	
☑ 0-20 □ 2	21-100] 101-250 251-	500 🗌 50)1 and higher			⊠ Yes □ No					
12. Number o	of Employ	ees				L		13. lr	ndepender	ntly Ow	ned and Ope	erated?
Government: [City C	County 🔲 Federal 🔲	Local Sta	nte 🗌 Other			Sole Pi	Sole Proprietorship				ability Company
11. Type of C	ustomer:	☐ Corporat	ion				Individ] Individual P		Partne	rtnership:	
0003023209			3203/3/8(J12			(9 digits)					
7. TX SOS/CP 0805823209	A Filing No	umber	8. TX Stat	ate Tax ID (11 digits)				9. Federal Tax ID		10. DUNS Number (if applicable)		
FM 149 Utilitie												
6. Customer	Legal Nam	e (If an individual, pri	nt last name	first: eg: Doe, J	lohn)			<u>If new</u>	Customer,	enter pre	vious Custom	er below:
		oller of Public Accou	•	aatomatican	iy buse	u on v	viiut is Cl	urrent	unu uctive	WILII LN	e Texus Secr	etury oj state
		(Verifiable with the Tex				-				with th	a Tayes Sass	atary of State
New Custon				tomer Informat					egulated Ent	ity Owne	ership	
4. General Cu	ustomer Information 5. Effective Date for Customer Information					Update	es (mm/dd/	уууу)				
SECTIO	N II:	<u>Customer</u>	Infor	mation	<u>1</u>							
CN					Registry*		RN	RN				
2. Customer	er Reference Number (if issued)			Follow this link to search for CN or RN numbers in			3. Reg	3. Regulated Entity Reference Number (if issued)				
Renewal	Renewal (Core Data Form should be submitted with the renewal form)						Other					
New Pern	nit, Registra	tion or Authorization	(Core Data Fo	orm should be s	submitte	ed with	the progi	ram app	olication.)			
1. Reason for	Submissi	on (If other is checked	please desci	ribe in space pro	ovided.))						

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

(936) 648-4823		() -	
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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 Nam	n e (Enter na	me of the site whe	re the regulated actio	n is taking pla	ce.)				
Towering Oaks Wastewater Treatment Plant									
23. Street Address of the Regulated Entity:	21760 Bailey Grove Rd.								
(No PO Boxes)	Cit.	Mantanana	Chaha	TV	710	77250		710 . 4	
	City	Montgomery	State	TX	ZIP	77356)	ZIP + 4	
24. County	Montgom	ery							
		If no Stre	et Address is provi	ded, fields 2	5-28 are re	quired.			
25. Description to									
Physical Location:									
26. Nearest City						State		Nea	rest ZIP Code
Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).									
_	-	-	-		ata Standa	ırds. (Ge	eocoding of th	he Physical	Address may be
_	es where n	-	-	accuracy).	ongitude (V			-95.6987	
used to supply coordinate	es where n	one have been p	-	accuracy).	ongitude (V				
27. Latitude (N) In Decim Degrees	al: Minutes	30.447180	Seconds	28. L	ongitude (V		cimal: Minutes	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim	al: Minutes	one have been p	Seconds	28. Lo Degree	ongitude (V	V) In De	cimal: Minutes		42 Seconds
27. Latitude (N) In Decim Degrees	al: Minutes	30.447180	Seconds	28. Lo	ongitude (V	V) In De	cimal: Minutes	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits)	Minutes 30 (4	30.447180 30.Secondary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits)	Minutes 30 (4	30.447180 30.Secondary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits)	Minutes 30 (4 Business of	30.447180 30.Secondary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Wastewater Treatment Plant	Minutes 30 (4 Business of	30.447180 30.Secondary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Wastewater Treatment Plant 34. Mailing	Minutes 30 (4 Business of	30.447180 30.5econdary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Wastewater Treatment Plant	Minutes 30 (4 Business of	30.447180 30.5econdary SIC digits)	Seconds Code	28. Lo Degree 31. Primar (5 or 6 digital) 221320	es Y NAICS Co	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Wastewater Treatment Plant 34. Mailing	Minutes 30 (4 Business of	30.447180 30.447180 30.447180 Compared to the secondary SIC digits) this entity? (Digits)	Seconds Code State	28. Lo Degree 31. Primai (5 or 6 digital) 221320 Degree 31. Primai (5 or 8 digital)	es Y NAICS Co iption.)	V) In De	cimal: Minutes 32. Seco	-95.6987	42 Seconds
used to supply coordinate 27. Latitude (N) In Decim Degrees 29. Primary SIC Code (4 digits) 4952 33. What is the Primary E Wastewater Treatment Plant 34. Mailing Address:	Minutes 30 (4 Business of	30.447180 30.447180 30.447180 30.447180 Colored to the secondary SIC digits) this entity? (Colored to the secondary SIC digits) Montgomery	Seconds Code State	28. Lo Degree 31. Primar (5 or 6 digital) 221320 TX	es Ty NAICS Co ts) iption.)	V) In De	cimal: Minutes 32. Seco	-95.6987 Pondary NAI gits)	42 Seconds

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 Aquife		Emissions Inve		entory Air	☐ Industrial Hazardous Waste	
Municipal Solid Waste Project Air		OSSF		☐ Petroleum Storage Tank		□ PWS		
Review Air		Review All						
		3						
☐ Sludge ☐ St		Storm Water	Title V Air		Tires		Used Oil	
☐ Voluntary Cl	eanup	Wastewater	☐ Wastewater Agricult	ture	☐ Water Rights		Other:	
		TPDES Proposed		_				
SECTION	I IV: Pr	eparer Inf	ormation	1				
40. Name:	Danny C. Parks,	, P.E.		41. Title:	Project Engi	neer		
42. Telephone I	Number	43. Ext./Code	44. Fax Number	45. E-Mail A	Address			
(281) 373-0500			() -	danny@wate	erengineers.co	om		
SECTION	V: Au	thorized S	ignature					
		•	wledge, that the information	•			and that I have signature authority itified in field 39.	
Company:	WaterEng	gineers, Inc.		Job Title:	Project En	gineer		
Name (In Print):	Danny C.	Parks, P.E.		Ph		Phone:	(281) 373- 0500	
Signature:						Date:	2-19-225	

TCEQ-10400 (11/22)

ATTACHMENT ADMIN.04

Plain Language Summary

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

FM 149 Utilities LLC (CN: Proposed) proposes to operate the Tower Oaks Wastewater Treatment Plant (RN: Proposed)), a conventional activated sludge with nitrification process plant. The facility will be located at 21760 Bailey Grove Rd., in Montgomery, Montgomery County, Texas 77356. This application is for a new permit to discharge at a daily average flow of 25,000 gallons per day of treated domestic wastewater.

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

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

FM 149 Utilities LLC (CN: Propuesto) propone operar La planta de tratamiento de aguas residuales de Towering Oaks RN: Propuesto) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación estará ubicada en 21760 Bailey Grove Rd., en Montgomery, Condado de Montgomery, Texas Esta solicitud es para un nuevo permiso para descargar un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas. Esta solicitud es para un nuevo permiso para descargar a un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas. . << Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

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

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 1		0 1 1	
Provide 3	hrigt d	accrintion	of planned	activation
I I OVIUE a	титет и	CSCLIDUOL	от паппси	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 n	ecessary. Please pro	ovide the following information.	
(City)			
(County)			
(Census Tract) Please indicate which City	h of these three is the County	ne level used for gathering the following information. Census Tract	
(a) Percent of people	e over 25 years of age	e who at least graduated from high school	
-		r the specified location ercent of population by race within the specified location	
(d) Percent of Lingui	stically Isolated Hous	seholds by language within the specified location	
(e) Languages comm	only spoken in area b	by percentage	
(f) Community and/o	or Stakeholder Group	ps	
(g) Historic public in	iterest or involvemen	nt	

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)

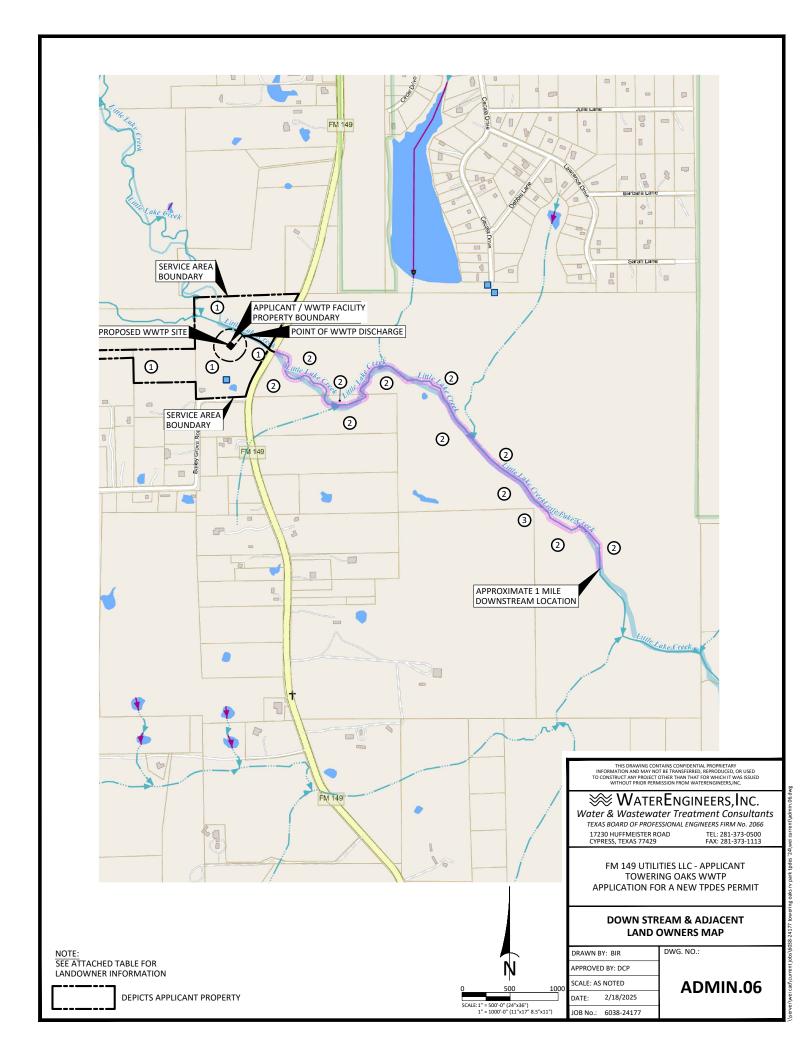


TABLE "ADMIN.06"

FM 149 UTILITIES LLC

Towering Oaks Wastewater Treatment Plant

Adjacent & Downstream Land Ownership Table

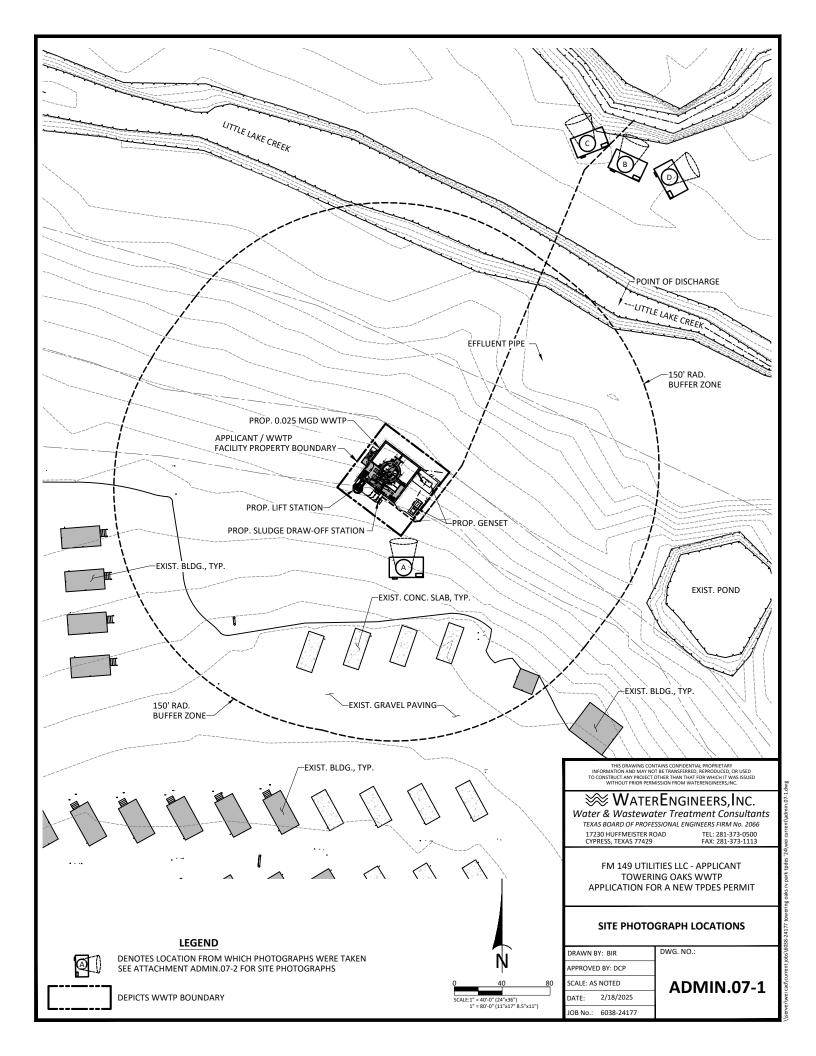
Source: Montgomery County Appraisal District

ID No. (See Attachment "ADMIN.06" Map)	Title Owner & Address	
	BOXWOOD MANAGEMENT LLC	
1	2257 N LOOP 336 W UNIT 379	
	CONROE TX USA 77304	
	CALFEE RANCH LLC	
2	17730 FM 149 RD	
	MONTGOMERY TX USA 77356	
	HOLLACE C CALFEE	
3	17730 FM 149 RD	
	MONTGOMERY TX USA 77356	

ATTACHMENT ADMIN.07

Photographs

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



PROPOSED WASTEWATER TREATMENT PLANT SITE





POINT OF DISCHARGE





THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY
INFORMATION AND MAY NOT BE TRANSFERBED, 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 CYPRESS, TEXAS 77429 TEL: 281-373-0500 FAX: 281-373-1113

FM 149 UTILITIES LLC - APPLICANT TOWERING OAKS WWTP APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DWG. NO.:

DRAWN BY: BIR

APPROVED BY: DCP

SCALE: AS NOTED

DATE: 2/13/2025

JOB No.: 6038-24177

ADMIN.07-2

POINT OF DISCHARGE LOOKING UPSTREAM





POINT OF DISCHARGE, LOOKING DOWNSTREAM





THIS DRAWING CONTAINS CONFIDENTIAL PROPRIETARY
INFORMATION AND MAY NOT BE TRANSFERBED, 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 CYPRESS, TEXAS 77429

FM 149 UTILITIES LLC - APPLICANT TOWERING OAKS WWTP APPLICATION FOR A NEW TPDES PERMIT

SITE PHOTOGRAPHS

DWG. NO.: DRAWN BY: BIR APPROVED BY: DCP

2/13/2025

6038-24177

SCALE: AS NOTED

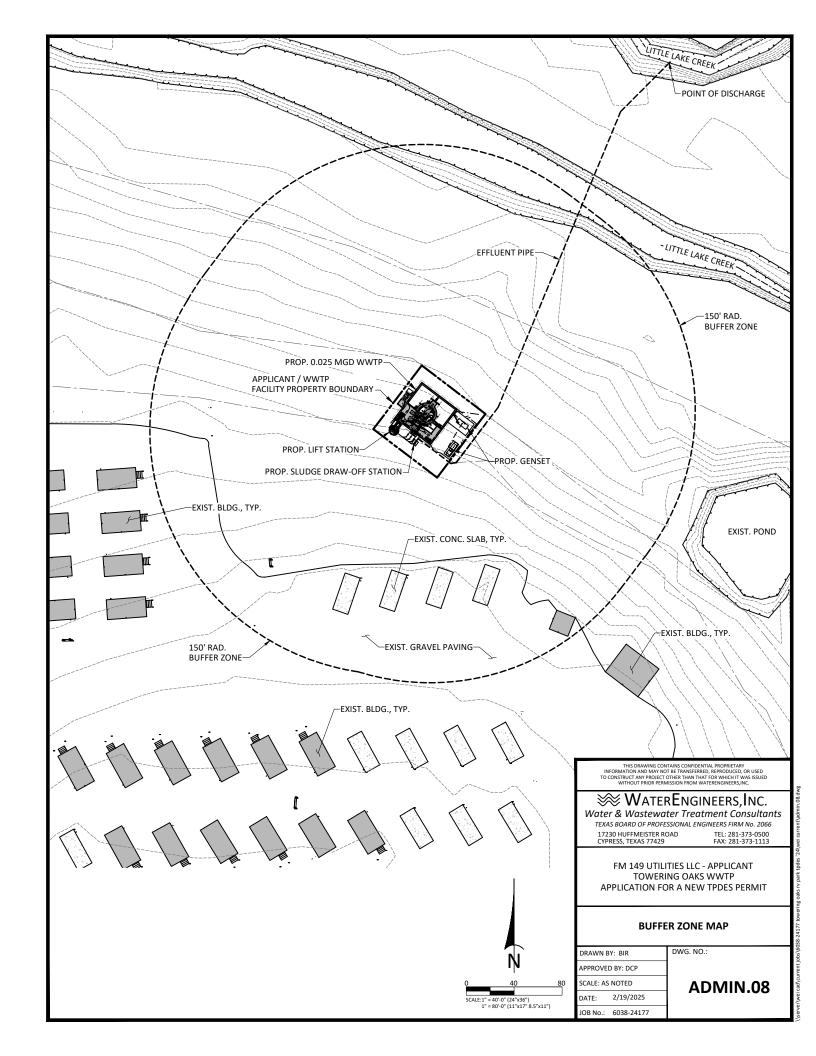
DATE: JOB No.:

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

Tono var over	
TCEQ USE ONLY:	
Application type:RenewalMajor Ar	
County:	
Admin Complete Date:	_
Agency Receiving SPIF:	
Texas Historical Commission	
Texas Parks and Wildlife Department	U.S. Army Corps of Engineers
This form applies to TPDES permit application	ns only. (Instructions, Page 53)
	CEQ will mail a copy to each agency as required by a not completely addressed or further information formation before issuing the permit. Address
Do not refer to your response to any item in attachment for this form separately from the A application will not be declared administrativel completed in its entirety including all attachmentary be directed to the Water Quality Division's email at wc.ac.no.ndm.new.gov or by ph	Edministrative Report of the application. The by complete without this SPIF form being ents. Questions or comments concerning this form a Application Review and Processing Team by
The following applies to all applications:	
1. Permittee: <u>FM 149 Utilities LLC</u>	
Permit No. WQ00 <u>Proposed</u>	EPA ID No. TX
and county):	otion that includes street/highway, city/vicinity,
21760 Bailey Grove Rd., Montgomery, TX 7	7356 in Montgomery County.

answer specific questions about the property.
Prefix (Mr., Ms., Miss): <u>Ms.</u> First and Last Name: Yvette Schenck
Credential (P.E, P.G., Ph.D., etc.):
Title: Owner
Mailing Address: 21760 Bailey Grove Rd.
City, State, Zip Code: Montgomery, TX 77356
Phone No.: <u>936-648-4823</u> Ext.: Fax No.:
E-mail Address: yvette@schenckbuilders.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.
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 Little Lake Creek, thence to Lake
Conroe in Segment No. 1012 of the San Jacinto River Basin.
Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).
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
☑ Proposed access roads, utility lines, construction easements☐ Visual effects that could damage or detract from a historic property's integrity
□ Visual effects that could damage or detract from a historic property's integrity
 □ Visual effects that could damage or detract from a historic property's integrity □ Vibration effects during construction or as a result of project design

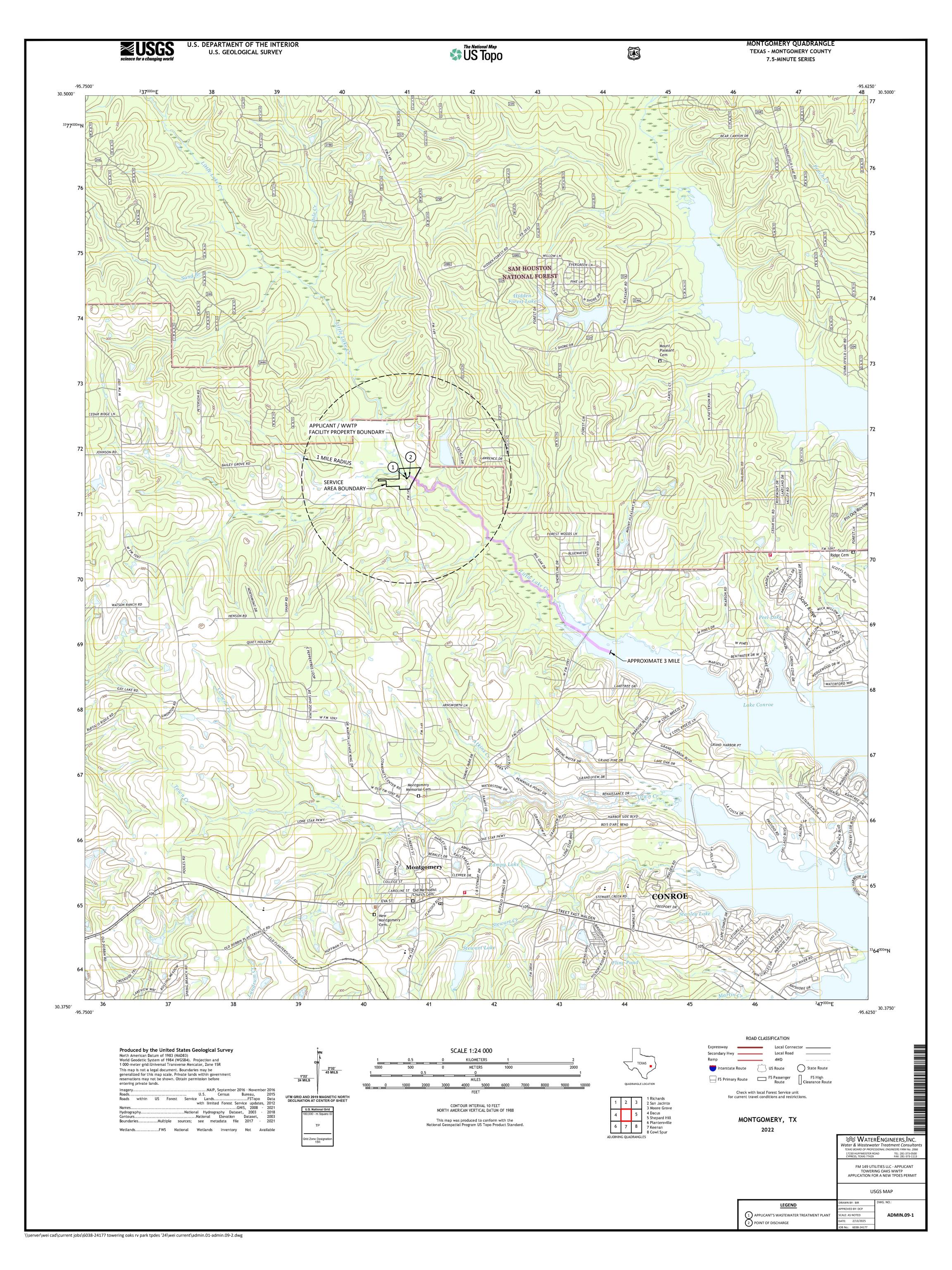
Provide the name, address, phone and fax number of an individual that can be contacted to

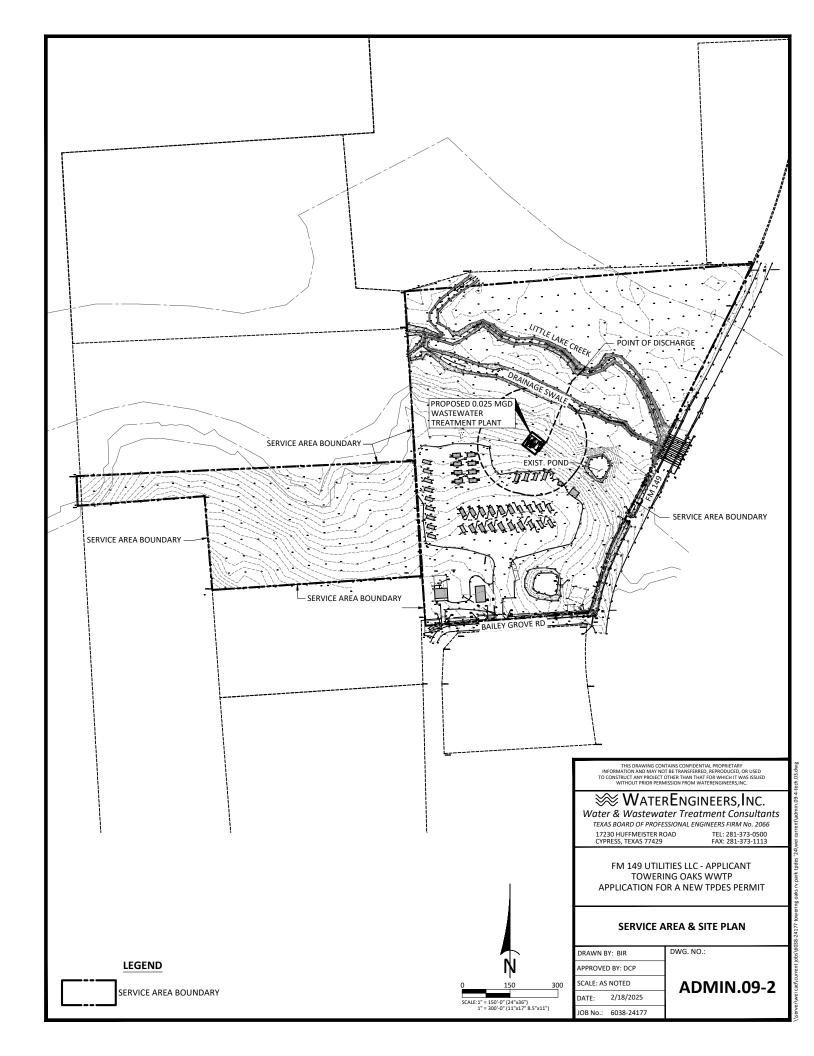
2.3.

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 1/4 acre and include clearing, grubbing and some excavation less than 10 feet.
2.	Describe existing disturbances, vegetation, and land use:
	The land designated for the WWTP Site is currently vacant and unused.
	IE 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.
	The fand designated for the wwith 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.
	The failu designated for the wwith site is currently vacant and unused.





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

(Reference Technical Report Page 22, Section 4)

Texas Board of Professional Engineers Firm No. 2066
17230 HUFFMEISTER RD., SUITE A TEL: 281-37.

CYPRESS, TEXAS 77429

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

PROCESS DESIGN & LOADING CALCULATIONS **TOWERING OAKS WWTP (CONCRETE)** 25,000 GPD ADF - 4Q

INFLUENT CONDITIONS				
Average Daily Flow	25,000	gpd		
Ratio Average / Peak Flow	4	Q		
Peak 2-Hour Flow	100,000	gpd		
Peak 2-Hour Flow	69	gpm		
BOD Concentration	500	mg/l		
BOD Loading	104	lb/day		

EQUALIZATION BASIN				
Tank Wall Height	12	ft		
Tank SWD	10.5	ft		
Tank Freeboard	1.5	ft		
Tank Surface Area	103.0	sq. ft.		
Tank Volume		cu. ft.		
Tank Volume		gallons		
Detention 7.77		hours		
BOD Loading 10.3		cu ft. / lbs BOD.		
Air Supply Rate (20 scfm/1000 cu ft)		scfm		
% of Average Daily Flow	32%			

AERATION BASIN (Activated Sludge)			
Tank Wall Height	12	ft	
Tank SWD	10.5	ft	
Tank Freeboard	1.5	ft	
Tank Surface Area	142	sq. ft.	
Tank Volume	1,491	cu. ft.	
Tank Volume	11,153	gallons	
QTY of Tanks	2	·	
Total Tank Surface Area	284	sq. ft.	
Total Tank Volume	2,982	cu. ft.	
Total Tank Volume	22,305	gallons	
BOD Loading	34.96	lbs / 1000 cu. ft.	
Detention Time	21.41	hours	
O2 Req'd @ 2.2 # O2/lb BOD	229	lbs / day	
Diffuser CW Efficiency @ Field Conditions	0.80%	% / ft sub.	
Diffuser Field Submergence	9.75	ft	
Diffuser CW Transfer Eff.	7.80%		
Correction Factor (Fine Bubble)	0.65		
Diffuser Field Transfer Eff. (WOTE)	5.07%		
Process Required Air Flow Rate (RAF)	182	scfm	
Mixing Air @ 20 scfm/1000 cu ft	30	scfm	
Chosen Air Supply Rate	182	scfm	
Temperature Correction Factor (30F)	1.27		
Temperature Corrected Air Flow Rate	231	scfm	
No. diffusers	8		
Air Flow per Diffuser	29	scfm	
Air Supply	77	scfm / 1000 cu. ft.	
RAS Airlift Air, scfm	5	scfm	
Scum Airlift Air, scfm	5	scfm	

CLARIFIER		
Tank Diameter	12	ft
Tank Wall Height	12	ft
Tank SWD	10.43	ft
Tank Freeboard	1.57	ft
Tank Surface Area	113	sq. ft.
Tank Volume	1,180	cu. ft.
Tank Volume	8,823	gallons
Avg. SOR	221	gpd / sq. ft.
Peak SOR	884	gpd / sq. ft.
Avg. Detention	8.47	hours
Peak Detention	2.12	hours
Max Qr @ 400 gpd/sf	31	gpm
Max Qr @ 400 gpd/sf	45,239	gpd
Max Qp + Qr	145,239	gpd

CHLORINE CONTACT BASIN			
Tank Wall Height	12	ft	
Tank SWD	8.63	ft	
Tank Freeboard	3.37	ft	
Tank Surface Area	23	sq. ft.	
Tank Volume	198	cu. ft.	
Tank Volume	1,485	gallons	
Detention @ Qp	21.38	minutes	
Air Supply Rate (15 scfm/1000 cu ft)	3	scfm	

AEROBIC DIGESTER / SLUDGE HOLDING BASIN			
Tank Wall Height	12	ft	
Tank SWD	10.5	ft	
Tank Freeboard	1.5	ft	
Tank Surface Area	103	sq. ft.	
Tank Volume	1,082	cu. ft.	
Tank Volume	8,090	gallons	
BOD Loading	10.37	cu. ft. / lb BOD	
Air Supply Rate (30 scfm/1000 cu ft)	32	scfm	

AIR BLOWERS			
Selector Basin Mixing Air Supply	22	scfm	
Aeration Basin Air Supply	231	scfm	
RAS Airlift Air Supply	5	scfm	
Scum Airlift Air Supply	5	scfm	
Chlorination Basin Air Supply	3	scfm	
Aerobic Digester Basin Air Supply	32	scfm	
Total Required Air Supply	298	scfm	
No. of Blowers	2		
Capacity of Each Blower w/ 1 Out of Service	298	scfm	
Chosen Blower Capacity (Each)	300	scfm	
Blower Op Pressure	5.47	psi	

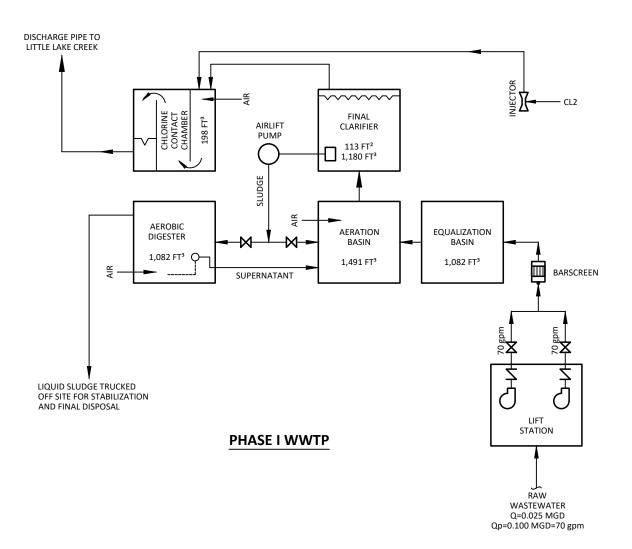
DESIGN FEATURES FOR RELIABILITY

The Towering Oaks 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 Towering Oaks site is reliable with most outages lasting less than 2-4 hours. However, FM 149 Utilities LLC plans to purchase a generator to operate necessary plant components during extended outages.
- C. All mechanical units, such as influent pumps, blowers and chemical feed pumps will be installed with spare units in the event a piece of equipment is out of service for repairs.
- D. Plant units will be maintained per TCEQ standards and repaired as quickly as possible should failure occur.
- E. The facilities will include an auto-dialer that will call the operator in case of power outages, blower malfunctions, lift station malfunctions or high-water alarm situations.

ATTACHMENT TECH.02 Process Flow Diagram

(Reference Technical Report Page 2, Question 2C)



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 & 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

FEXAS 77429 FAX: 281-373-1113

FM 149 UTILITIES LLC - APPLICANT TOWERING OAKS WWTP APPLICATION FOR A NEW TPDES PERMIT

FLOW SCHEMATIC

DWG. NO.:

DRAWN BY: BIR

APPROVED BY: DCP

SCALE: AS NOTED

DATE: 2/13/2025

JOB No.: 6038-24177

TECH.02

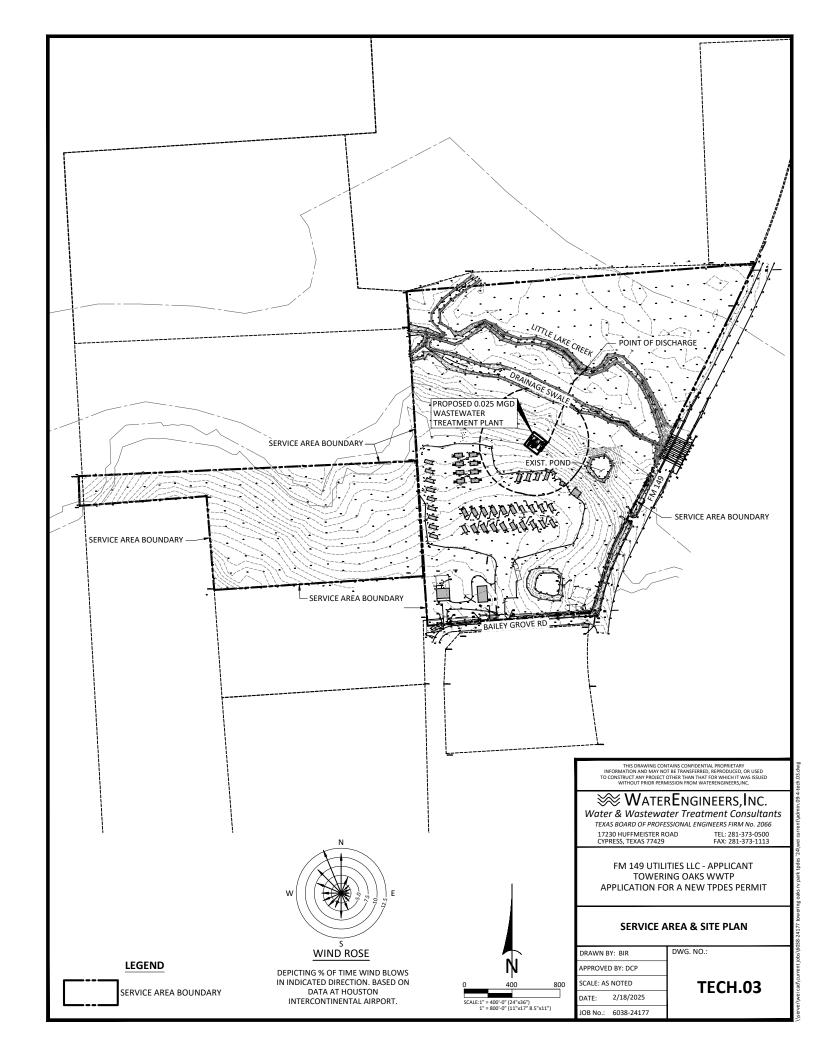
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ATTACHMENT TECH.03 Site Drawing

(Reference Technical Report Page 2, Question 3)

(Including Wind Rose)

(Reference Technical Report Page 23, Question 5B)



ATTACHMENT TECH.04 Solids Management Plan

(Reference Technical Report Page 23, Question 7)

Texas Board of Professional Engineers Firm No. 2066

17230 HUFFMEISTER RD., SUITE A CYPRESS, TEXAS 77429

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

ATTACHMENT TECH.04 SLUDGE MANAGEMENT PLAN

1. Type of Wastewater Treatment Process Used

The Towering Oaks Wastewater Treatment Plant (WWTP) will use the activated sludge with nitrification process. Solids analyses have been made based upon a spreadsheet calculation set up using sludge kinetic calculations developed by Dr. Ross McKinney and published in Notes on Activated Sludge, 1971, by Brian L. Goodman. Table TECH.04-01 show the process design and sludge generation calculations for the design flow of 25,000 gpd

2. Dimensions and Capacities

The wastewater treatment facility will have a single digester which will provide for a volume of 1,082 cu. ft., surface area of 103 sq. ft. and a 10.5 ft. side water depth a total design flow loading of 10.37 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. 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 @	Solids @	Solids @	Solids @
	100% Qavg,	75% Qavg,	50% Qavg,	25% Qavg,
	lb/day	lb/day	lb/day	lb/day
Phase I / Final	63	47	31	16

4. Operating Range of Mixed Liquor Suspended Solids

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

	Predicted Solids @100% Flow		Predicted Solids @75% Flow		Predicted Solids @50% Flow		Predicted Solids @25% Flow	
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 / Final	5	3,457	7	3,633	10	3,463	20	3,466

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

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adjustable decant airlift pump and returned to the selector basin. After a sufficient period of digestion and/or the digester is full, sludge is removed from the digester by a vacuum truck by hooking the truck hose to the piping connection and opening the shut off valve.

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

The quantity of solids to be removed at the various plant loadings are presented in the following table. These quantities shown in the tabulation are *monthly* quantities based upon an influent BOD of 500 mg/l and TSS of 250 mg/l. If the strength of the influent wastewater varies significantly, solids removal quantities will be different.

	\sim	% Flow pacity	@ 75 % Flow Capacity		@ 50 % Flow Capacity		@ 25 % Flow Capacity	
Phase	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month	% Solids	Gal/ Month
Phase I / Final	2.0	8,594	2.0	6,452	2.0	4,303	2.0	2,153

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.



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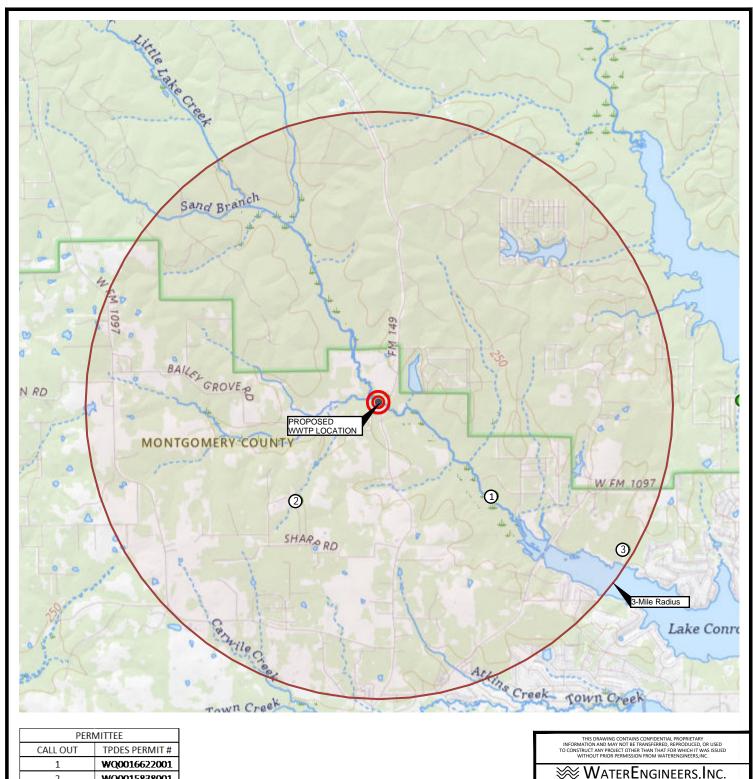
TEL: 281-373-0500 FAX: 281-373-1113

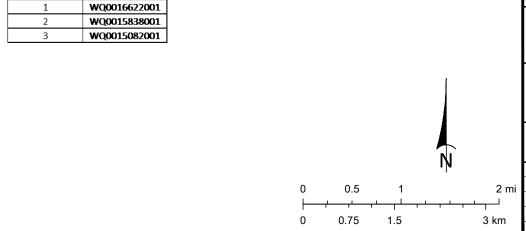
ATTACHMENT 4-01 PROCESS DESIGN AND SLUDGE GENERATION CALCULATIONS **TOWERING OAKS WWTP (CONCRETE)** 25,000 GPD ADF - 4Q

INFLUENT CONDITIONS					
Design Flow Rate, mgd	0.025		Aeration Vol	, cu ft	1,491
Infl. BOD, mg/l	500		Clarifier Diam	neter, ft	12
Infl. TSS, mg/l	250		Clarifier Side	Wall Depth, ft	10.43
Infl. VSS, mg/l	200		Clarifier Surfa	ace Area, sq ft	113
BOD Loading, lb/day	104		Clarifier Volu		1,180
BOD Load, #/1000 cu ft	69.92		Temperature	e, deg C	20
Actual Plant Loading, %		100%	75.0%	50%	25.0%
Actual Flow Rate, mgd		0.025	0.019	0.013	0.006
BOD Loading, #/Day		104	78	52	26
Ret. Sludge Rate, gpd/sq ft		400	400	400	400
Ret. Sludge Flow, mgd		0.05	0.05	0.05	0.05
t = Aeration Time, days		0.446	0.595	0.892	1.784
ts = Sludge Age, Days		5.0	7.0	10.0	20.0
Km = BOD Removal Metabol	ic Factor	360	360	360	360
Ks = Synthesis Factor		250	250	250	250
Ke = Endogenous Metabolisr	n Factor	0.48	0.34	0.24	0.12
F = Effl Soluble BOD		3.09	2.32	1.55	0.78
Ma = Active Mass		1,138	1,196	1,141	1,143
Me = Endogenous Mass		655	689	657	658
Mi = Inert Organic Mass		785	824	785	785
Mii = Inert Inorganic Mass		880	924	880	881
Mt = Total Mass, mg/l		3,457	3,633	3,463	3,466
Total Mass in Aeration Basin	, Ib	322	338	322	322
Lb BOD/Lb MLSS/Day		0.324	0.231	0.162	0.081
Effl TSS, mg/l		7	7	7	7
Effl BOD, mg/l		5	4	3	2
Sludge Accumulation, lb/day		64	48	32	16
TSS Lost In Effluent, lb/day		1	1	1	0
Waste Sludge, lb/day		63	47	31	16
Return Sludge Conc, mg/l		5,368	5,139	4,420	3,945
Waste Sludge Conc, mg/l		10,000	10,000	10,000	10,000
Waste Sludge Flow, gpd		754	565	378	189
SLUDGE HOLDING TANK					
Volume, cu ft		1,082			
Design Loading, cu ft/lb BOD		10.37	13.83	20.75	41.50
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		21.46	28.62	42.85	85.62
Infl Total Solids, lb/day		63	47	31	16
Infl Active Mass, lb/day		21	16	10	5
Effl Active Mass, lb/Day		2	1	1	0
Active Mass Red., lb/day		15	11	8	4
Digester Effl Solids, lb/day		48	36	24	12
Sludge Disposed, lb/mg		1,911	1,913	1,914	1,915
Sludge Disposed, tons/mg		0.96	0.96	0.96	0.96
Sludge Hauled, gal/day		286	215	143	72
Sludge Hauled, gal/month		8,594	6,452	4,303	2,153

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

(Reference Technical Report Page 20, Section 1B3)





WATER ENGINEERS, INC.

Water & Wastewater Treatment Consultants

TEXAS BOARD OF PROFESSIONAL ENGINEERS FIRM No. 2066 17230 HUFFMEISTER ROAD CYPRESS, TEXAS 77429

APPLICANT: FM 149 UTILITIES LLC TOWERING OAKS WWTP APPLICATION FOR A NEW TPDES PERMIT

THREE MILE RADIUS PERMITEE MAP

	DRAWN B	DWG. NO.:	
ni	APPROVE		
	SCALE: AS	Т т	
	DATE:	1/30/2025	"
	IOB No :	6020 24177	

TECH.05

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

January 30, 2025

Cert. Mail Receipt: 9589 0710 5270 1132 5574 14

Taylor Morrison of Texas, Inc. 3250 Briarpark Drive, Suite 300 Houston, Texas 77042

Re:

TCEQ Waste Discharge Permit No. WQ0016622001 - FM 1097 Development Wastewater Treatment

Facility

Dear Permittee:

We are writing to you on behalf of FM 149 Utilities LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Montgomery County, located at 21760 Bailey Grove Rd, Montgomery, TX 77356, as shown on the attached map. FM 149 Utilities LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 25,000 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 25,000 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 C. Parks, P.E.

cc:

FM 149 Utilities LLC

Attachment: 3-Mile Radius Map

REPLY	Y
Date of Reply:02-24-2025	Signature:
Name of Permittee: Taylor Morrison of Texas, Inc.	Printed Name:
Capacity Available (Yes / No)? No	Title:District Engineer
Terms (if available)	Address: 3307 W Davis St Conroe, TX 77304
	Conroe, TX 77304
	Telephone: 936-647-0420
	Email:jwhite@L2Engineering.com

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

January 30, 2025

Cert. Mail Receipt: 9589 0710 5270 1132 5574 07

Jimmy Edwin Cole, Jr. P.O. Box 864 Montgomery, Texas 77356

Re:

TCEQ Waste Discharge Permit No. WQ0015838001 - Jimmy Cole Rentals Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of FM 149 Utilities LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Montgomery County, located at 21760 Bailey Grove Rd, Montgomery, TX 77356. as shown on the attached map. FM 149 Utilities LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 25,000 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 3miles 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 25,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely, WATERENGINEERS, INC. Danny C. Parks, P.E. cc: FM 149 Utilities LLC Attachment: 3-Mile Radius Map	
	REPLY
Date of Reply:	Signature:
Name of Permittee: <u>Jimmy Edwin Cole</u> , <u>Jr</u> .	Printed Name:
Capacity Available (Yes / No)?	Title:
Terms (if available)	Address:
	×
	Telephone:
	Email:

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

January 30, 2025

Cert. Mail Receipt: 9589 0710 5270 1132 5573 91

Conroe 1097 Investments, Ltd. 1520 Oliver Street Houston, Texas 77007

Re:

TCEQ Waste Discharge Permit No. WQ0015082001 - Chaney Wastewater Treatment Facility

Dear Permittee:

We are writing to you on behalf of FM 149 Utilities LLC regarding a proposed wastewater treatment facility project to treat domestic wastewater in Montgomery County, located at 21760 Bailey Grove Rd, Montgomery, TX 77356, as shown on the attached map. FM 149 Utilities LLC is in the process of applying for a new TCEQ Wastewater Discharge Permit for 25,000 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 3miles 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.

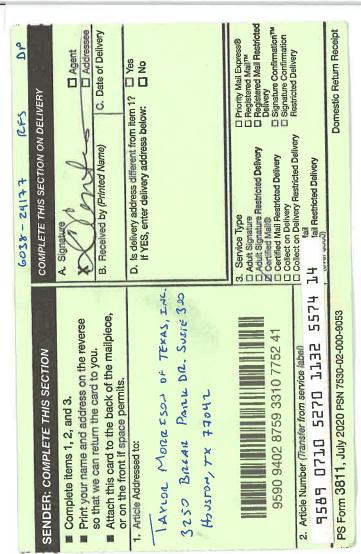
We will appreciate receiving a response from you indicating if 25,000 gpd of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at danny@waterengineers.com or fax to (281) 373-1113. Please feel free to call me at 281-373-0500 if you have any questions. Thank you for your assistance.

Sincerely, WATERENGINEERS, INC. Danny C. Parks, P.E. cc: FM 149 Utilities LLC Attachment: 3-Mile Radius Map	
RE	CPLY
Date of Reply:	Signature:
Name of Permittee: Conroe 1097 Investments, Ltd.	Printed Name:
Capacity Available (Yes / No)?	Title:
Terms (if available)	Address:
	Telephone:
	Email:

1,4	U.S. Postal Service [™] CERTIFIED MAIL [®] REC Domestic Mail Only	
5574	For delivery information, visit our website	at www.usps.com®.
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ги	Certified Mail Fee	
113	Extra Services & Fees (check box, edd fee as appropriate) Return Receipt (hardcopy) \$ Return Receipt (electronic) \$	Postmark
5270	Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$	Here
r)	Postage	
07.70	S Total Postage and Fees S	
89 0	Street and Apt. No., or PO Box No.	TEXAS / INC.
95	City, State, ZIP+48 6038 - 2417 7 21	s or
	PS Form 3800, January 2023 PSN 7530-02-000-9047	See Reverse for Instructions

20	U.S. Postal Service [™] CERTIFIED MAIL [®] REC Domestic Mail Only	EIPT
5574	For delivery information, visit our website	at www.usps.com®
5270 1132	\$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$ Return Receipt (electronic) \$ Certified Mail Restricted Delivery \$ Adult Signature Required \$ Adult Signature Restricted Delivery \$ Postage	Postmark Here
[20]	Sent To JEMMY EIDWEN COU Street and Apt. No., or PO Box No.	

11	U.S. Postal Service [™] CERTIFIED MAIL® REC Domestic Mail Only	EIPT
573	For delivery information, visit our website	at www.usps.com
52	OFFIC AL	USE
1132	Certified Mall Fee \$ Extra Services & Fees (check box, add fee as appropriate) Return Receipt (hardcopy) \$ Return Receipt (electronic) \$ Certified Mail Restricted Delivery \$	Postmark Here
5270	Adult Signature Required \$ Adult Signature Restricted Dalivery \$ Postage	rtere
0770	\$ Total Postage and Fees \$ Sent To	
89	Street and Apt. No., or PO Box No.	MENTS, LTA.
95	City, State, 21P+4 6038-29177	12FS DP
	PS Form 3800, January 2023 PSN 7530-02-000-9047	See Reverse for Instructions



GERTIFIED

WATERENGINEERS, INC. 17230 HUFFMEISTER ROAD

CYPRESS, TX 77429

SUITE A







5574 07

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ZIP 77429

Montgomery, Texas 77356 Jimmy Edwin Cole, Jr. P.O. Box 864

TCEQ Waste Discharge Permit No. WQ 年に いきのなおから かっこうちょう Re:

77.32 经水中的条款

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RETURN TO SENDER LIVERABLE AS ADDRESSED GRABLE TO GORMARD

BOXWOOD MANAGEMENT LLC 2257 N LOOP 336 W UNIT 379 CONROE TX USA 77304 CALFEE RANCH LLC 17730 FM 149 RD MONTGOMERY TX USA 77356 HOLLACE C CALFEE 17730 FM 149 RD MONTGOMERY TX USA 77356

Leah Whallon

From: Danny Parks <danny@waterengineers.com>

Sent: Tuesday, March 11, 2025 3:24 PM

To: Leah Whallon

Subject: Application for Proposed Permit No. WQ0016739001; FM 149 Utilities LLC; Towering

Oaks WWTP

Attachments: wq01016739001-nod1 - MARKUPS.pdf; Public Notice NORI - Towering Oaks WWTP

(WQ0016739001) - SPANISH.docx; Plain Language Summary - REVISED.pdf; Core Data Form - SIGNED - REVISED.pdf; Admin Form - Page 8 - REVISED.pdf; SPIF - Page 1 -

REVISED.pdf

Follow Up Flag: Follow up Flag Status: Flagged

Hello Ms. Whallon!

Please see my answers to the NOD Items below:

- 1. With regards to the RN, the WWTP will be located at its own site which will be deeded to FM 149 Utilities LLC. Therefore, we request a new RN be created utilizing the following facility locational address: "Approximately 600 feet Northwest of the intersection of Bailey Grove Road and FM 149, Montgomery, TX 77356" I have updated and attached the relevant forms from the application that specify this information.
- 2. After review of the NORI, I just found 2 edits:
 - a. Update facility address to locational address. (See attached markups on NOD).
 - b. Update the coordinates on the facility's general location link to: (https://gisweb.tceq.texas.gov/LocationMapper/?marker=-95.698742,30.447180&level=18).
- 3. Please see the attached NORI Spanish Translation Document. (I have made the revisions stated above in this Spanish Translation)

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, March 6, 2025 4:39 PM

To: Danny Parks <danny@waterengineers.com>

Subject: Application for Proposed Permit No. WQ0016739001; FM 149 Utilities LLC; Towering Oaks WWTP

Good Afternoon,

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

Please let me know if you have any questions.

Thank you,



Leah WhallonTexas Commission on Environmental Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

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

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 6, 2025

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

RE: Application for Proposed Permit No.: WO0016739001 (EPA I.D. No. TX0147532)

Applicant Name: FM 149 Utilities LLC (CN606357226) Site Name: Towering Oaks WWTP (RN111160016)

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. Core Data Form, Section III, Item 23 The address at 21760 Bailey Grove Road has an existing RN with TCEO (RN111160016 - Bailey Grove RV Park; PWS Registration 1700916). Only one RN can be assigned per address/property. Please confirm if the site of the proposed wastewater treatment facility will be located within a separate property boundary from the existing site and provide an alternate location address or description to register as a separate site under a new RN. Or confirm if both are on the same property and will be under the same RN. The property appears to be owned by the owner of the PWS registration - Boxwood Management, LLC on the county property records.
- 2. The following is a portion of the NORI which contains information relevant to your apple. Northwest of the Please read it carefully and indicate if it contains any errors or omissions. The complete Grove Road and FM 149 will be sent to you once the application is declared administratively complete.

approximately 600 feet ntersection of Bailey

APPLICATION. FM 149 Utilities LLC, 21760 Bailey Grove Road, Montgomery, Texas 77356, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016739001 (EPA I.D. No. TX0147532) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 25,000 gallons per day. The domestic wastewater treatment facility will be located at 21760 Bailey Grove Road, near the city of Montgomery, in Montgomery County, Texas 77356. The discharge route will be from the plant site to Little Lake Creek, thence to Lake Conroe (pending RWA). TCEO received this application on February 25, 2025. The permit application will be available for viewing and copying at Montgomery County Central Library, 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

Mr. Danny Parks, P.E. Page 2 March 6, 2025 Permit No. WQ0016739001

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= 95.699307,30.44598&level=18

Further information may also be obtained from FM 149 Utilities LLC at the address stated above or by calling Mr. Danny Parks, P.E., WaterEngineers, Inc., at 281-373-0500.

3. 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 March 20, 2025. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,

Leah Whallon

Applications Review and Processing Team (MC148)

Water Quality Division

Texas Commission of Environmental Quality

Jean Whallor

lcw

Enclosure

Municipal Discharge New Spanish NORI

	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.
Se	ection 10. TPDES Discharge Information (Instructions Page 31)
A.	Is the wastewater treatment facility location in the existing permit accurate?
	□ Yes □ No
	If no, or a new permit application, please give an accurate description:
	The WWTP will be located approximately 600 feet Northwest of the intersection of Bailey Grove Road and FM 149, Montgomery, TX 77356 in Montgomery County.
В.	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 Little Lake Creek, thence to Lake Conroe in Segment No. 1012 of the San Jacinto River Basin.
	City nearest the outfall(s): Montgomery
	County in which the outfalls(s) is/are located: Montgomery
C.	Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?
	□ Yes ⊠ No
	If yes , indicate by a check mark if:
	☐ Authorization granted ☐ Authorization pending
	For new and amendment applications, provide copies of letters that show proof of contact and the approval letter upon receipt.
	Attachment: Click to enter text.
D.	For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.
Sc	ection 11 TI AD Disposal Information (Instructions Dags 22)
36	ection 11. TLAP Disposal Information (Instructions Page 32)
A.	For TLAPs, is the location of the effluent disposal site in the existing permit accurate?
	□ Yes □ No
	If no, or a new or amendment permit application , provide an accurate description of the disposal site location:

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 AmendmentMinor AmendmentNew
County: Segment Number:
Admin Complete Date:
Agency Receiving SPIF:
Texas Historical Commission U.S. Fish and Wildlife
Texas Parks and Wildlife Department U.S. Army Corps of Engineers
This form applies to TPDES permit applications only. (Instructions, Page 53)
Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.
Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

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

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

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

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

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

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

FM 149 Utilities LLC (CN: Proposed) proposes to operate the Tower Oaks Wastewater Treatment Plant (RN: Proposed)), a conventional activated sludge with nitrification process plant. The facility will be located at approximately 600 feet Northwest of the intersection of Bailey Grove Road and FM 149, in Montgomery, Montgomery County, Texas 77356. This application is for a new permit to discharge at a daily average flow of 25,000 gallons per day of treated domestic wastewater.

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

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

FM 149 Utilities LLC (CN: Propuesto) propone operar La planta de tratamiento de aguas residuales de Towering Oaks RN: Propuesto) , un planta de lodos activados convencionales con proceso de nitrificación . La instalación estará ubicada en Aproximadamente a 600 pies al noroeste de la intersección de Bailey GroveRoad y FM 149, en Montgomery, Condado de Montgomery, Texas Esta solicitud es para un nuevo permiso para descargar un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas. Esta solicitud es para un nuevo permiso para descargar a un flujo promedio diario de 25,000 galones por día de aguas residuales domésticas tratadas. . << *Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:*>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

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



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	Submissi	on (If other is checked	l please describ	e in space pr	rovided.)					
New Pern	nit, Registra	ation or Authorization	(Core Data Fori	n should be s	submitted	with the prog	gram application.)			
Renewal	(Core Data	Form should be submi	tted with the re	newal form))		Other			
2. Customer Reference Number (if issued) Folice			Follow this I	link to sear	3. Re	3. Regulated Entity Reference Number (if issued)				
CN	for CN or RN numb Central Registry					in RN				
SECTIO	N II:	Customer	Inforn	nation	<u>1</u>					
4. General Cu	ıstomer Ir	nformation	5. Effective	Date for Cu	ustomer I	nformation	Updates (mm/dd,	/уууу)		
New Custon	mer		pdate to Custo	mer Informa	ntion	Cha	nge in Regulated En	tity Own	ership	
Change in L	egal Name	(Verifiable with the Te	xas Secretary of	f State or Tex	kas Comptr	oller of Publi	c Accounts)			
The Custome	r Name su	ubmitted here may	be updated a	utomatical	lly based	on what is o	current and active	with the	ne Texas Seci	retary of State
(SOS) or Texa	s Comptro	oller of Public Accou	ınts (CPA).							
6. Customer	Legal Nam	ne (If an individual, pri	nt last name fir	st: eg: Doe, J	John)		If new Customer,	enter pr	evious Custom	ner below:
FM 149 Utilitie	s LLC									
7. TX SOS/CP	A Filing N	umber	8. TX State	Tax ID (11 d	ligits)		9. Federal Tax ID 10. DUNS Number			Number (if
0805823209			32097978012	2			(9 digits)			
							, ,			
11. Type of C	ustomer:	☐ Corpora	tion			☐ Indivi	Individual Partnership: General			neral 🔲 Limited
Government: [City 🔲 (County 🔲 Federal 🔲	Local State	Other		☐ Sole F	☐ Sole Proprietorship ☐ Other: Limited Liability Com			iability Company
12. Number o	of Employ	ees					13. Independe	ntly Ow	ned and Ope	erated?
⊠ 0-20	21-100	101-250 251-	500 🗌 501	and higher			⊠ Yes	□ No		
14. Customer	Role (Pro	posed or Actual) – as i	t relates to the	Regulated Er	ntity listed	on this form.	Please check one o	f the follo	owing	
Owner		Operator	Ow	ner & Opera	ator					
Occupation	al Licensee	Responsible Pa	rty 🔲 🗀 🕆	VCP/BSA App	plicant		Other			
	21760 Ba	ailey Grove Rd.								
15. Mailing										
Address:	City	Nantanana.		Chaha	Tv	710	77256		710 . 4	1
	City	Montgomery		State	TX	ZIP	77356		ZIP + 4	
16. Country I	Mailing In	formation (if outside	USA)		1	L7. E-Mail A	ddress (if applicab	le)		
					١	vette@scher	nckbuilders.com			
18 Telenhon	a Numbai	•		9 Evtensio	on or Cod	Δ.	20 Fay N	lumher	(if annlicable)	

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

(936) 648-4823		() -
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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 Nam	ie (Enter nam	ne of the site wher	re the regulated actio	on is ta	king place	e.)				
Towering Oaks Wastewater Treatment Plant										
23. Street Address of the Regulated Entity:										
(No PO Boxes)	City	Montgomery	State	ТХ		ZIP			ZIP + 4	
24. County	Montgome	ry		•	•		1			
		If no Stree	et Address is prov	ided, f	ields 25	-28 are r	equired			
25. Description to Physical Location:	Approximat	ely 600 feet Nortl	hwest of the intersec	tion of	Bailey Gr	rove Road	and FM :	149, Montgome	ery, TX 77356	
26. Nearest City							State		Nea	rest ZIP Code
Montgomery							TX		773!	56
Latitude/Longitude are re used to supply coordinate	-		•			ita Stand	ards. (G	eocoding of t	he Physical	Address may be
27. Latitude (N) In Decim	al:	30.447180			28. Loi	ngitude (W) In D	ecimal:	-95.6987	42
Degrees	Minutes		Seconds		Degree	S		Minutes		Seconds
29. Primary SIC Code	30	Secondary SIC	Code	_	_			32 Sec.	ondary NAI	CS Code
(4 digits)		ligits)			Primary or 6 digits	NAICS C	ode	32. Secondary NAICS Code (5 or 6 digits)		
4952				2213	320					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)										
Wastewater Treatment Plant										
34. Mailing	21760 Bailey Grove Rd.									
Address:										
	City	Montgomery	State	тх		ZIP	7735	6	ZIP + 4	
35. E-Mail Address:	yve	tte@schenckbuild	ders.com							
36. Telephone Number			37. Extension or	Code		38.	Fax Nun	nber (if applica	ble)	
(936) 648-4823						() -			

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 Aquife		☐ Emissions Invent		☐ Industrial Hazardous Waste	
☐ Municipal Solid Wa	Saste New Source Review Air	OSSF		Petroleum	Storage Tank	□ PWS	
Sludge	Storm Water	☐ Title V Air		☐ Tires		Used Oil	
☐ Voluntary Cleanup		☐ Wastewater Age	riculture	☐ Water Rig	hts	Other:	
	WQ0016739001						
ECTION IV	/: Preparer In	<u>formation</u>					
10. Name: Dann	y C. Parks, P.E.		41. Title:	Project E	ngineer		
12. Telephone Numb	er 43. Ext./Code	44. Fax Number	45. E-M	ail Address			
281) 373-0500		() =	danny@v	waterengineer	gineers.com		
ECTION V	: Authorized	Signature	4				
. By my signature belo		nowledge, that the inforn				e, and that I have signature authority entified in field 39.	
Company:	WaterEngineers, Inc.		Job Title:	Project	Engineer		
Name (In Print):	Danny C. Parks, P.E.	nny C. Parks, P.E.				(281) 373- 0500	
Signature:	ture:					3-11-225	

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. V	WOoo
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SOLICITUD. FM 149 Utilities LLC, 21760 Bailey Grove Road, Montgomery, Texas 77356 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ00 16739001 (EPA I.D. No. TX0147532) 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 25,000 galones por día. La planta está ubicada aproximadamente 600 pies al noroeste de la intersección de Bailey Grove Road y FM 149 en el Condado de Montgomery, Texas. La ruta de descarga es del sitio de la planta a Little Lake Creek, de allí al lago Conroe (pendiente RWA). La TCEQ recibió esta solicitud el 25 de febrero de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca central del condado de Montgomery, 104 Interstate 45 North, 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=-95.698742,30.447180&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.

Fecha de emisión	ſΙ	Date notice issued