

## 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

Undine Texas Environmental, LLC (C	N604519330) proposes to operate Marigold Wastewater
Treatment Facility (),	a activated sludge process plant operated in the complete mix
mode. The facility will be located at 1	he facility will be located approx. 0.5 miles north of the
intersection of 99 and Willaby Road,	in New Caney, Montgomery County, Texas 77354. This
application for a new discharge with	a final phase of 0.290MGD.

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.. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

Undine Texas Environmental, LLC (CN	N604519330) propone operar la Planta de Tratamiento de
	), una planta de procesamiento de lodos activados
operada en modo de mezcla complet	ta. La instalación estará ubicada en La instalación estará
ubicada aproximadamente a 0,5 milla	as al norte de la intersección de 99 y Willaby Road, en New
	as 77354. Esta solicitud para una nueva descarga con una fase
final de 0,290 MGD.	,

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (TSS), nitrógeno amoniaco (NH3-N) y Escherichia coli. Las aguas residuales domésticas serán tratadas por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una rejilla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y cámaras de contacto con cloro.

## **TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**



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

#### PROPOSED PERMIT NO. WQ0016697001

APPLICATION. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016697001 (EPA I.D. No. TX0147214) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 290,000 gallons per day. The domestic wastewater treatment facility will be located approximately 0.5 miles North of the intersection of Texas Highway 99 and Willaby Road, near the city of New Caney, in Montgomery County, Texas 77357. The discharge route will be from the plant site to Casey Gulley; thence to East Fork San Jacinto River. TCEQ received this application on December 30, 2024. The permit application will be available for viewing and copying at Montgomery County Memorial Library System – 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.tceg.texas.gov/LocationMapper/?marker=-95.13777,30.154444&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</a>. El aviso de idioma alternativo en español está disponible en <a href="https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications">https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications</a>.

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 <a href="https://www.tceq.texas.gov/goto/cid">www.tceq.texas.gov/goto/cid</a>. 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 <a href="https://www14.tceq.texas.gov/epic/eComment/">https://www14.tceq.texas.gov/epic/eComment/</a>, 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 <a href="www.tceq.texas.gov/goto/pep">www.tceq.texas.gov/goto/pep</a>. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Undine Texas Environmental, LLC at the address stated above or by calling Mr. Jeff Goebel, Buisness Development, at 713-724-9321.

Issuance Date: April 3, 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. WQoo16697001

SOLICITUD. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEO) para el propuesto Permiso No. WQ0016697001 (EPA I.D. No. TX0147214) 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 290,000 galones por día. La planta estará ubicada aproximadamente 0.5 millas al norte de la intersección del Texas Highway 99 y Willaby Road, cerca de la cuidad de New Caney, en el condado de Montgomery County, Texas 77357. La ruta de descarga será del sitio de la planta a Casey Gulley; luego a East Fork San Jacinto River. La TCEO recibió esta solicitud el 30 de diciembre de 2024. La solicitud para el permiso está disponible para leerla y copiarla en la biblioteca Montgomery County Memorial – Central Library, 104 Interestatal 45 Norte, 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.tceg.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=-95.13777,30.154444&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

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

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

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

**LISTA DE CORREO.** Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN DE LA TCEQ. Todos los comentarios escritos del

público y los para pedidos una reunión deben ser presentados a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet at <a href="www.tceq.texas.gov/about/comments.html">www.tceq.texas.gov/about/comments.html</a>. 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. Si necesita más información en Español sobre esta solicitud para un permiso o el proceso del permiso, por favor llame a El Programa de Educación Pública de la TCEQ, sin cobro, al 1-800-687-4040. La información general sobre la TCEQ puede ser encontrada en nuestro sitio de la red: <a href="www.tceq.texas.gov">www.tceq.texas.gov</a>.

También se puede obtener información adicional de Undine Texas Environmental, LLC a la dirección indicada arriba o llamando al Sr. Jeff Goebel, Buisness Development, al 713-724-9321.

Fecha de emisión: 3 de abril de 2025

Executive Director Applications Review and Processing Team (MC148) Texas Commission on Environmental Quality 12100 Park 35 Circle Austin, Texas 78753

To Whom It May Concern:

Please find enclosed one original application and three copies for a New Domestic Wastewater Discharge Permit application according to the following:

Type of Application: New Domestic Wastewater Discharge Permit

Applicant:

Undine Texas Environmental, LLC

Permit Number:

Pending

Name of the Facility: Madera Wastewater Treatment plant

An application fee of \$1,250.00 will be sent under separate cover to the revenue section as required.

Thank you,

Jeff Goebel





## APPLICATION FOR RENEWAL OF A DOMESTIC WASTEWATER DISCHARGE PERMIT

Permit No.: Pending

Madera Wastewater Treatment Facility

#### Submitted to:

Executive Director
Texas Commission on Environmental Quality
Attn: Water Quality Division
Wastewater Permits Section/Application Team (MC 148)
12100 Park 35 Circle
Building F
Ausitn Texas 78753

Submitted by:

Undine Texas Environmental, LLC 17681 Telge Rd Cypress Texas 77429



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

## Complete and submit this checklist with the application.

APPLICANT NAME: Undine Texas Environmental, LLC

PERMIT NUMBER (If new, leave blank): WQ00 Click to enter text.

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

	Y	N		$\mathbf{Y}$	N
Administrative Report 1.0	$\boxtimes$		Original USGS Map	$\boxtimes$	
Administrative Report 1.1	$\boxtimes$		Affected Landowners Map	$\boxtimes$	
SPIF	$\boxtimes$		Landowner Disk or Labels	$\boxtimes$	
Core Data Form	$\boxtimes$		Buffer Zone Map	$\boxtimes$	
Public Involvement Plan Form	$\boxtimes$		Flow Diagram	$\boxtimes$	
Technical Report 1.0	$\boxtimes$		Site Drawing	$\boxtimes$	
Technical Report 1.1		$\boxtimes$	Original Photographs	$\boxtimes$	
Worksheet 2.0	$\boxtimes$		Design Calculations	$\boxtimes$	
Worksheet 2.1	$\boxtimes$		Solids Management Plan	$\boxtimes$	
Worksheet 3.0		$\boxtimes$	Water Balance		$\boxtimes$
Worksheet 3.1		$\boxtimes$			
Worksheet 3.2		$\boxtimes$			
Worksheet 3.3		$\boxtimes$			
Worksheet 4.0		$\boxtimes$			
Worksheet 5.0		$\boxtimes$			
Worksheet 6.0		$\boxtimes$	¥		
Worksheet 7.0					
For TCEQ Use Only					
Segment Number Expiration Date Permit Number			County Region		- -

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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	c only one).
Flow <0.05 MGD ≥0.05 but <0.10 MGD ≥0.10 but <0.25 MGD ≥0.25 but <0.50 MGD ≥0.50 but <1.0 MGD ≥1.0 MGD  Minor Amendment (for any flow	New/Major Amendment  \$350.00 □ \$550.00 □ \$850.00 □ \$1,250.00 □ \$1,650.00 □ \$2,050.00 □	Renewal \$315.00 □ \$515.00 □ \$815.00 □ \$1,215.00 □ \$1,615.00 □ \$2,015.00 □
Payment Information:		
Check/Mone Name Printe	ey Order Number: Click to ente ey Order Amount: Click to ente d on Check: Click to enter text mber: Click to enter text.	r text.
Copy of Payment Voucher		
	lication (Instructions Pa	age 26)
<ul> <li>a. Check the box next to the app</li> <li>□ Publicly-Owned Domestic</li> <li>□ Privately-Owned Domest</li> <li>□ Conventional Wastewater</li> </ul>	c Wastewater ic Wastewater	

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

Inactive

 $\boxtimes$ 

Active

c.	Ch	eck the box next to the appropriate permit typ	oe.	
	$\boxtimes$	TPDES Permit		
		TLAP		
		TPDES Permit with TLAP component		
		Subsurface Area Drip Dispersal System (SAD	DS)	
d.	Che	eck the box next to the appropriate application	n typ	oe
	$\boxtimes$	New		
		Major Amendment with Renewal		Minor Amendment with Renewal
		Major Amendment without Renewal		Minor Amendment without Renewal
		Renewal without changes		Minor Modification of permit
e.	For	amendments or modifications, describe the p	ropo	osed changes: Click to enter text.
f.	For	existing permits:		
	Peri	nit Number: WQ00 Click to enter text.		
	EPA	I.D. (TPDES only): TX		
	Exp	iration Date: Click to enter text.		
Se	ctic	on 3. Facility Owner (Applicant) a (Instructions Page 26)	nd	Co-Applicant Information
			100	

A. The owner of the facility must apply for the permit.

What is the Legal Name of the entity (applicant) applying for this permit?

#### **Undine Texas Environmental, LLC**

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

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

CN: 604519330

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

Prefix: Mr

Last Name, First Name: Tillman, Vance

Title: CFO

Credential: Click to enter text.

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

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

Click to enter text.

(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: <a href="http://www15.tceq.texas.gov/crpub/">http://www15.tceq.texas.gov/crpub/</a>

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>A-1</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: Jeff Goebel

Title: Business Development

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: 713-724-9321

E-mail Address: jgoebel@undinellc.com

Check one or both:

□ Administrative Contact

□ Technical Contact

**B.** Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text.

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

Phone No.: Click to enter text.

E-mail Address: Click to enter text.

Check one or both:

☐ Administrative Contact

□ Technical Contact

## Section 5. Permit Contact Information (Instructions Page 27)

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

A. Prefix: Ms

Last Name, First Name: Carey Thomas

Title: VP

Credential: Click to enter text.

Organization Name: <u>Undine Texas Environmental</u>, <u>LLC</u>

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: <u>713-554-7820</u>

E-mail Address: <a href="mailto:cthomas@undinellc.com">cthomas@undinellc.com</a>

B. Prefix: Mr.

Last Name, First Name: Andy Thomas

Title: VP

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: <u>713-554-7820</u>

E-mail Address: athomas@undinellc.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: Ms

Last Name, First Name: Carey Thomas

Title: <u>VP</u>

Credential: Click to enter text.

Organization Name: <u>Undine Texas Environmental, LLC</u>

Mailing Address: <u>17681 Telge Rd</u>

City, State, Zip Code: Cypress Texas 77429

Phone No.: 713-554-7820

E-mail Address: cthomas@undinellc.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: Ms

Last Name, First Name: Carey Thomas

Title: VP

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: 713-554-7820

E-mail Address: cthomas@undinellc.com

## Section 8. Public Notice Information (Instructions Page 27)

## A. Individual Publishing the Notices

Prefix: Mr.

Last Name, First Name: Jeff Goebel

Title: Business Development

Credential: Click to enter text.

Organization Name: Undine Texas Environmental, LLC

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: <u>713-724-9321</u>

E-mail Address: jgoebel@undinellc.com

В.		lethod for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit ackage
	In	dicate by a check mark the preferred method for receiving the first notice and instructions:
	$\boxtimes$	E-mail Address
		Fax
		Regular Mail
C.	C	ontact permit to be listed in the Notices
	Pr	refix: <u>Mr.</u> Last Name, First Name: <u>Jeff Goebel</u>
	Ti	tle: <u>Business Development</u> Credential: Click to enter text.
	O	rganization Name: <u>Undine Texas Environmental, LLC</u>
	M	ailing Address: <u>17681 Telge Rd</u> City, State, Zip Code: <u>Cypress Texas 77429</u>
	Ph	ione No.: <u>713-724-9321</u> E-mail Address: <u>jgoebel@undinellc.com</u>
D.	Pu	ıblic Viewing Information
		the facility or outfall is located in more than one county, a public viewing place for each unty must be provided.
	Pu	blic building name: Montgomery County Memorial Library System - Central Library
	Lo	cation within the building: Click to enter text.
	Ph	ysical Address of Building: <u>104 I45 N</u>
	Ci	ty: <u>Conroe</u> County: <u>Montgomery</u>
	Co	ontact (Last Name, First Name): Click to enter text.
		one No.: <u>936-539-7814</u> Ext.: Click to enter text.
E.		ingual Notice Requirements
		is information <b>is required</b> for <b>new, major amendment, minor amendment or minor</b> odification, and renewal applications.
	be	is section of the application is only used to determine if alternative language notices will needed. Complete instructions on publishing the alternative language notices will be in ur public notice package.
	ob	ase call the bilingual/ESL coordinator at the nearest elementary and middle schools and tain the following information to determine whether an alternative language notices are quired.
	1.	Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?
		⊠ Yes □ No
		If <b>no</b> , publication of an alternative language notice is not required; <b>skip to</b> 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		at these	e schools a	attend	a bilingu	al educ	ation pro	gram	at another
	-20	Yes	$\boxtimes$	No						
4.				luired to p rement un					ogram	but the school has
		Yes	$\boxtimes$	No						
5.				u <b>estion 1</b> , ge is requir						ative language are
Pla	in Lang	guage Sur	nmary T	Гemplate						
Co	mplete	the Plain	Languag	ge Summar	y (TC	EQ Form	20972)	and inclu	ıde as	an attachment.
Att	achme	nt: <u>A-2</u>								
Pul	blic Inv	olvemen	t Plan Fo	orm						
Co	mplete	the Public	Involve	ement Plan	Form	ı (TCEQ F	orm 20	960) for e	each ar	oplication for a
nev	w perm	it or majo	or amen	dment to	a peri	<b>nit</b> and ir	iclude a	as an atta	chmer	nt.
Att	achme	nt: <u>A-3</u>								
	o O	D1	atad I		J D-		1 0"4-	T C		/I
CH	on 9.	Page 2		nuty ar	la Pe	rmitted	a Site	intorm	latior	ı (Instructions
		is current <b>N</b> Click to			EQ, pı	rovide the	e Regula	ated Entit	ty Nun	nber (RN) issued to
				egistry at ed by TCEC		<u>/www15.</u>	tceq.tex	<u>kas.gov/c</u>	rpub/	to determine if
Nar	ne of p	roject or s	site (the	name kno	wn by	the com	munity	where lo	cated):	
Mad	dera Wa	stewater T	reatment	Facility						
Ow	ner of t	reatment	facility:	Undine Te	xas En	vironment	tal, LLC			
Ow	nership	of Facilit	y: 🗆	Public	$\boxtimes$	Private		Both		Federal
Ow	ner of la	and where	e treatm	ent facility	y is or	will be:				
Prei	fix: Clic	k to enter	text.	Last	Name	, First Na	me: <u>Un</u>	dine Texas	s Enviro	onmental, LLC
Titl	e: Click	to enter t	ext.	Cred	ential	: Click to	enter to	ext.		
Org	anizatio	on Name:	<u>Undine</u>	Texas En	viron	<u>mental, I</u>	LLC			
Mai	ling Ad	dress: <u>176</u>	81 Telge	<u>Rd</u>	(	City, State	e, Zip C	ode: <u>Cypr</u>	ess Tex	as 77429
Pho	ne No.:	713-554-7	<u>820</u>	E-m	ail Ad	dress: <u>cth</u>	omas@i	undinellc.	com	
				ame perso easement				or co-ap	plican	t, attach a lease
10	Attachn	nont Clic	k to onto	or toxt						

F.

G.

A.

B.

C.

D.

	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 ente	er text.
	Mailing Address: Click to enter to	ext. City, State, Zip Code: Click to enter text.
	Phone No.: Click to enter text.	E-mail Address: Click to enter text.
	If the landowner is not the same agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: Click to enter te	xt.
F.	Owner sewage sludge disposal si property owned or controlled by	ite (if authorization is requested for sludge disposal on the applicant)::
	Prefix: Click to enter text.	Last Name, First Name: Click to enter text.
	Title: Click to enter text.	Credential: Click to enter text.
	Organization Name: Click to ente	er text.
	Mailing Address: Click to enter to	ext. City, State, Zip Code: Click to enter text.
	Phone No.: Click to enter text.	E-mail Address: Click to enter text.
	If the landowner is not the same agreement or deed recorded ease	person as the facility owner or co-applicant, attach a lease ement. See instructions.
	Attachment: Click to enter te	xt.
Se	ection 10. TPDES Discharg	ge Information (Instructions Page 31)
		ge Information (Instructions Page 31) ity location in the existing permit accurate?
	Is the wastewater treatment facil.  ☐ Yes ☐ No  If <b>no, or a new permit applicatio</b>	ity location in the existing permit accurate?  on, please give an accurate description:
	Is the wastewater treatment facil.  ☐ Yes ☐ No  If <b>no, or a new permit applicatio</b>	ity location in the existing permit accurate?
	Is the wastewater treatment facil.  ☐ Yes ☐ No  If <b>no, or a new permit applicatio</b>	ity location in the existing permit accurate?  on, please give an accurate description:
A.	Is the wastewater treatment facility  Yes No  If no, or a new permit application The facility will be located approx.	ity location in the existing permit accurate?  on, please give an accurate description:
A.	Is the wastewater treatment facility  Yes No  If no, or a new permit application The facility will be located approx.	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd
A.	Is the wastewater treatment facility.  Yes No  If no, or a new permit application. The facility will be located approx. On the	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd  the discharge route(s) in the existing permit correct?  ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30
A.	Is the wastewater treatment facility.  Yes No  If no, or a new permit application. The facility will be located approx. On the	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd the discharge route(s) in the existing permit correct?  ermit application, provide an accurate description of the
A.	Is the wastewater treatment facility.  Yes No  If no, or a new permit application. The facility will be located approx. On the	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd the discharge route(s) in the existing permit correct?  ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 ally thence to the East Fork of the San Jacinto River
A.	Is the wastewater treatment facility.  Yes No  If no, or a new permit application. The facility will be located approx. On the facility thence to Casey Guident State of the facility State of the	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd the discharge route(s) in the existing permit correct?  ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 ally thence to the East Fork of the San Jacinto River
А.	Is the wastewater treatment facility.  Yes No  If no, or a new permit application. The facility will be located approx. On the	on, please give an accurate description: 0.5 miles n of the intersection of 99 and Willaby Rd the discharge route(s) in the existing permit correct?  ermit application, provide an accurate description of the arge route to the nearest classified segment as defined in 30 ally thence to the East Fork of the San Jacinto River  ney are located: Montgomery discharge to a city, county, or state highway right-of-way, or

	If <b>yes</b> , indicate by a check mark if:
	☐ Authorization granted ☐ Authorization pending
	For <b>new and amendment</b> 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: $\underline{NA}$
Co	ection 11 TIAD Disposal Information (Instructions Dago 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 <b>no, or a new or amendment permit application</b> , provide an accurate description of the disposal site location:
	Click to enter text.
В.	City nearest the disposal site: Click to enter text.
	County in which the disposal site is located: Click to enter text.
D.	For <b>TLAPs</b> , describe the routing of effluent from the treatment facility to the disposal site:
	Click to enter text.
E.	For <b>TLAPs</b> , please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.
Se	ction 12. Miscellaneous Information (Instructions Page 32)
A.	Is the facility located on or does the treated effluent cross American Indian Land?
	□ Yes ⊠ No
	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 <b>yes</b> , 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 <b>yes</b> , please provide the following information:
	Enforcement order number: Click to enter text.
	Amount past due: Click to enter text.
0	· 12 4 · 1
	ection 13. Attachments (Instructions Page 33)
Inc	licate which attachments are included with the Administrative Report. Check all that apply:
	Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
$\boxtimes$	Original full-size USGS Topographic Map with the following information:
	<ul> <li>Applicant's property boundary</li> <li>Treatment facility boundary</li> <li>Labeled point of discharge for each discharge point (TPDES only)</li> <li>Highlighted discharge route for each discharge point (TPDES only)</li> <li>Onsite sewage sludge disposal site (if applicable)</li> <li>Effluent disposal site boundaries (TLAP only)</li> <li>New and future construction (if applicable)</li> <li>1 mile radius information</li> <li>3 miles downstream information (TPDES only)</li> <li>All ponds.</li> </ul>
	Attachment 1 for Individuals as co-applicants
	Other Attachments. Please specify: Click to enter text.

## Section 14. Signature Page (Instructions Page 34)

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

Permit Number: Click to enter text.

Applicant: Undine Texas Environmental, LLC

Certification:

County, Texas

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

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

Signatory name (typed or printed): <u>Vance Tillman</u>	
Signatory title: Chief Financial Officer	1
Signature: Date: 12	23/24
(Use blue ink)	1
Subscribed and Sworn to before me by the said Ametania	Cross,
on this 33RD day of DETEMBER	, 20 24.
My commission expires on the day of Twy	, 20 <u>8 8</u> .
Motary Public .	TERIA LLIMINATION OF THE PARTY
Notary rubine	OF TEXNS DE
Hamis	5-2028

## DOMESTIC WASTEWATER PERMIT APPLICATION **ADMINISTRATIVE REPORT 1.0**

The following information is required for new and amendment applications.

## Section 1. Affected Landowner Information (Instructions Page 36)

A.		icate 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
		The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
		The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
	$\boxtimes$	The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
	$\boxtimes$	The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
		The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
		The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
		The property boundaries of all landowners surrounding the effluent disposal site
		The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
		The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
В.	⊠ addr	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.
С.	Indi	cate by a check mark in which format the landowners list is submitted:
		☐ USB Drive ☐ Four sets of labels
D.	Prov	ide the source of the landowners' names and mailing addresses: <u>CAD</u>
		equired by $Texas\ Water\ Code\ \S\ 5.115$ , is any permanent school fund land affected by application?
		I Yes ⊠ No

B.

C.

D.

E.

		<b>'es</b> , provide the location and foreseeable impacts and effects this application has on the d(s):
	_	ick to enter text.
	<u> </u>	
Se	ecti	on 2. Original Photographs (Instructions Page 38)
		e original ground level photographs. Indicate with checkmarks that the following ation is provided.
	$\boxtimes$	At least one original photograph of the new or expanded treatment unit location
		At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
		At least one photograph of the existing/proposed effluent disposal site
	$\boxtimes$	A plot plan or map showing the location and direction of each photograph
Sc	ecti	on 3. Buffer Zone Map (Instructions Page 38)
Parago	Buf info	fer zone map. Provide a buffer zone map on $8.5 \times 11$ -inch paper with all of the following ormation. The applicant's property line and the buffer zone line may be distinguished by ag 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.		Fer zone compliance method. Indicate how the buffer zone requirements will be met. ck all that apply.
		⊠ Ownership
		Restrictive easement
	j	□ Nuisance odor control
	į	□ Variance
C.		uitable site characteristics. Does the facility comply with the requirements regarding uitable site characteristic found in 30 TAC § 309.13(a) through (d)?
	į	☑ 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: A-8

## WATER QUALITY PERMIT

## PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- Do Not mail this form with the application form.
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

## Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 P.O. Box 13088 Austin, Texas 78711-3088 BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality Financial Administration Division Cashier's Office, MC-214 12100 Park 35 Circle Austin, Texas 78753

**Fee Code: WQP Waste Permit No:** Click to enter text.

- 1. Check or Money Order Number: Click to enter text.
- 2. Check or Money Order Amount: Click to enter text.
- 3. Date of Check or Money Order: Click to enter text.
- 4. Name on Check or Money Order: Click to enter text.
- 5. APPLICATION INFORMATION

Name of Project or Site: Click to enter text.

Physical Address of Project or Site: Click to enter text.

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

### ATTACHMENT 1

## INDIVIDUAL INFORMATION

## Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): Click to enter text.

Full legal name (Last Name, First Name, Middle Initial): Click to enter text.

Driver's License or State Identification Number: Click to enter text.

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

City, State, and Zip Code: Click to enter text.

Phone Number: Click to enter text. Fax Number: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

#### For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

## DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) (Required for all application types. Must be completed in its entirety Note: Form may be signed by applicant representative.)	signed.		Yes		
Correct and Current Industrial Wastewater Permit Application Form (TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or late			Yes		
Water Quality Permit Payment Submittal Form (Page 19) (Original payment sent to TCEQ Revenue Section. See instructions fo	iling 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		Yes			
Landowners Map (See instructions for landowner requirements)	N/A		Yes		
<ul> <li>Things to Know:</li> <li>All the items shown on the map must be labeled.</li> <li>The applicant's complete property boundaries must be deboundaries of contiguous property owned by the applicant.</li> <li>The applicant cannot be its own adjacent landowner. You landowners immediately adjacent to their property, regard from the actual facility.</li> <li>If the applicant's property is adjacent to a road, creek, or on the opposite side must be identified. Although the proapplicant's property boundary, they are considered potent if the adjacent road is a divided highway as identified on map, the applicant does not have to identify the landowned the highway.</li> </ul>	nt. mus dless strea perti- tially the U	t identif of how m, the l es are n affecte SGS top	fy the far to ando act	hey are wners ljacent to downers. phic	
Landowners Cross Reference List (See instructions for landowner requirements)	N/A		Yes		
Landowners Labels or USB Drive attached (See instructions for landowner requirements)	N/A		Yes		
Original signature per 30 TAC § 305.44 – Blue Ink Preferred (If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)					
Plain Language Summary			Yes		

TCEQ-10053 (01/09/2024) Domestic Wastewater Permit Application Administrative Report

Page 17 of 17

## **Attachment A-1**



TCEQ Use Only

## **TCEQ Core Data Form**

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

## **SECTION I: General Information**

1. Reason for Submission     New Permit, Registration						*/	ith the pro	oaram applicati	on.)			
Renewal (Core Data Form should be submitted with the renewal form)							Other					
Customer Reference Number (if issued)     Follow this link to search							3. Regulated Entity Reference Number (if issued)					
CN 604519330  Follow this link to search for CN or RN numbers  Central Registry**												
SECTION II: Custon	ner Info	ormation										
4. General Customer Inform	ation	5. Effective	Date for C	ustomer	Informa	ation	Updates	s (mm/dd/yyyy)				
☐ New Customer☐ Change in Legal Name (Ve	☐ New Customer ☐ Change in Regulated Entity Ownership ☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)											
The Customer Name su Texas Secretary of State									ırrent anı	d active with the		
6. Customer Legal Name (If	an individual	, print last name	e first: eg: Do	e, John)		<u>If n</u>	new Custo	omer, enter prev	rious Custor	ner below:		
Undine Texas Environ	mental.	LLC						2010.00				
7. TX SOS/CPA Filing Numb 801768069	8. TX State	3. TX State Tax ID (11 digits) 32050717274			9. Federal Tax ID (9 digits) 46-316881		10. DUNS Number (if applicable) N/A					
11. Type of Customer:	Corporation	on		Individu	ıal	Partnership: ☐ Genera			ral $\square$ Limited	al □ Limited		
Government: ☐ City ☐ County [	☐ Federal ☐	State  Other		Sole Pr	oprietors					4		
12. Number of Employees  ☑ 0-20 ☐ 21-100 ☐	and highe		13. Independently Owned and Operated?  ☑ Yes ☐ No									
14. Customer Role (Proposed	or Actual) -	as it relates to t	the Regulated	d Entity lis	ted on thi	s form	n. Please	check one of the	following			
☐ Owner ☐ Occupational Licensee	☐ Operato	or nsible Party	1000	Owner & 0 Oluntary	0.50		licant	Other:				
17681 Telg	e Road			11								
15. Mailing Address:										100		
City Cyp	ress	4.	State	TX	ZI	Р	77429	)	ZIP + 4			
16. Country Mailing Informat	ion (if outside	e USA)			17. E-M	E-Mail Address (if applicable)						
					cthom	as@	undin	ellc.com				
18. Telephone Number	ion or Co	ode	20. Fax Number (if applicable)				ble)					
(713)574-5953						(713) 647-0277						
ECTION III: Regula	ted Ent	ity Infor	mation									
21. General Regulated Entity				tv" is sele	ected be	low th	his form s	should be accor	mpanied by	a permit application)		
	_	Regulated E						tity Information	paioa 23	a pomit approation,		
The Regulated Entity Na of organizational ending					TELEVISION AND DESCRIPTION				ata Stand	lards (removal		
22. Regulated Entity Name (El	Programme and the second		the second secon	action is	taking pla	ace.)						
Madera Wastewater Tre	atment I	Facility										

		_											
23. Street Addr													
the Regulated (No PO Boxes)	Entity:	City			State		ZIP		ZIP	+4			
24. County		Montgo	omerv						50462				
				cal Lo	cation Descrip	tion if no str	eet addres	s is provided					
25. Description Physical Locati			cility will		ocated appro					on of 9	99 and		
26. Nearest City	<b>y</b>	•						State		Neare	st ZIP Code		
New Caney									77357				
27. Latitude (N)	In Decir	nal:	30° 9'1	6.88	"N	28. L	ongitude (\	W) In Decima	l: 95°	95° 8'16.39"W			
Degrees		Minutes		Se	econds	Degree	es	Minute	S	S	econds		
29. Primary SIC	Codo (4	digita) 30	Socondan	SICC	code (4 digits)	31. Primai	ry NAICS C	ode 3	2. Secondar	y NAIC	S Code		
. <del></del>	Code (4	aigits) 30.	Secondary	310 0	oue (4 digits)	(5 or 6 digits	s)	(5	or 6 digits)				
4952													
33. What is the Wastewater			f this entity	!? (D	o not repeat the SIC	C or NAICS desc	cription.)	- 3/2/2		411			
wasiewaier	Ounne	T T				47004	Tales Das						
34. Mailin	ıg	17681 Telge Road											
Address	:		T -		2.1			77.400	-11-				
		City	Cypre	ess	State	TX	ZIP	77429	ZIP	+ 4			
35. E-Mail /	Tarakin kirin	ELGERCH CHILDREN			O7 Fotomal		s@undine		Number /if	!!	hlal		
30.		one Number		The Sales	37. Extensi	on or Code		38. Fax Number (if applicable) ( 713 ) 647-277					
TCEQ Program	s and ID					ermits/registrat	ion numbers	that will be affe			bmitted on this		
Dam Safety	ata i oiiii i	nstructions for additional guidar  Districts			Edwards Aquifer		☐ Emissions Inventory Air		ir	☐ Industrial Hazardous Wast			
Municipal Solid	Waste	☐ New Source Review Air			OSSF		☐ Petroleum Storage Tank		nk PW	☐ PWS			
Sludge		Storm Water			☐ Title V Air		Tires		☐ Use	☐ Used Oil			
☐ Voluntary Clean	up				☐ Wastewater A	Agriculture	☐ Water Rights		☐ Oth	Other:			
					*								
ECTION IV		parer In	<u>formati</u>	<u>on</u>			34		e .				
ame: Jeff Go	e: Jeff Goebel					41. Title: Mgr. Business Development					The section of the sec		
2. Telephone Nu	mber 4	3. Ext./Cod	e 44.	Fax N	lumber	45. E-Ma	il Address						
713 ) 574-595	53		[ (7	13)6	647-0277	jgoebel	l@undin	ellc.com					
By my signature authority to attified in field 39	e below, o submit	I certify, to t	the best of m	y kno									
ompany:		Texas Envi	ronmental I	LC		Job Title:	CFO						
AND RESIDENCE OF THE PARTY OF T	Silanio	. STAC LITTI	This product is a first of the control of the contr										
ame (In Print):	Vance	Villman	$\sim 1/$	1				Phone:	(713)5	74- 595	3		

TCEQ-10400 (02/21)

**Attachment A-2** 

Undine Texas Environmental, LL	C (CN604519330) proposes to operate Marigold Wastewater
Treatment Facility (	), a activated sludge process plant operated in the complete mix
mode. The facility will be located	at The facility will be located approx. 0.5 miles north of the
intersection of 99 and Willaby Ro	oad , in New Caney, Montgomery County, Texas 77354. This
application for a new discharge	with a final phase of 0.290MGD.

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.. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

Undine Texas Environmental, LLC (	(CN604519330) propone operar la Planta de Tratamiento de
	), una planta de procesamiento de lodos activados
operada en modo de mezcla comp	leta. La instalación estará ubicada en La instalación estará
ubicada aproximadamente a 0,5 m	nillas al norte de la intersección de 99 y Willaby Road, en New
Caney, condado de Montgomery, To	exas 77354. Esta solicitud para una nueva descarga con una fase
final de 0,290 MGD.	• If the real system action is the second support to the second

Se espera que las descargas de la instalación contengan demanda bioquímica de oxígeno carbonoso de cinco días (CBOD5), sólidos suspendidos totales (TSS), nitrógeno amoniaco (NH3-N) y Escherichia coli. Las aguas residuales domésticas serán tratadas por una planta de proceso de lodos activados y las unidades de tratamiento incluirán una rejilla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y cámaras de contacto con cloro.

# TCEQ

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

# Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

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

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

## ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER

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

Undine Texas Environmental, LLC (CN604519330) proposes to operate Marigold Wastewater Treatment Facility (\_\_\_\_\_\_\_), a activated sludge process plant operated in the complete mix mode. The facility will be located at The facility will be located approx. 0.5 miles north of the intersection of 99 and Willaby Road, in New Caney, Montgomery County, Texas 77354. This application for a new discharge with a final phase of 0.290MGD. << For TLAP applications include the following sentence, otherwise delete:>> This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain contain five-day carbonaceous biochemical oxygen demand ( $CBOD_5$ ), total suspended solids (TSS), ammonia nitrogen ( $NH_3$ -N), and *Escherichia coli*.. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and chlorine contact chambers.

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

#### AGUAS RESIDUALES Introduzca 'INDUSTRIALES' o 'DOMÉSTICAS' aquí /AGUAS PLUVIALES

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

1. Introduzca el nombre del solicitante aquí (2. Introduzca el número de cliente aquí (es decir, CN6########).) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí 5. Introduzca el número de entidad regulada aquí (es decir, RN1######), 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí. << 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 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

#### INSTRUCTIONS

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

Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at <a href="https://www.wc.ac.no.nd/worden.com/wc-ac.no.nd/worden.com/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc-ac.nd/wc

# **Example**

# **Individual Industrial Wastewater Application**

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

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

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

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

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

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



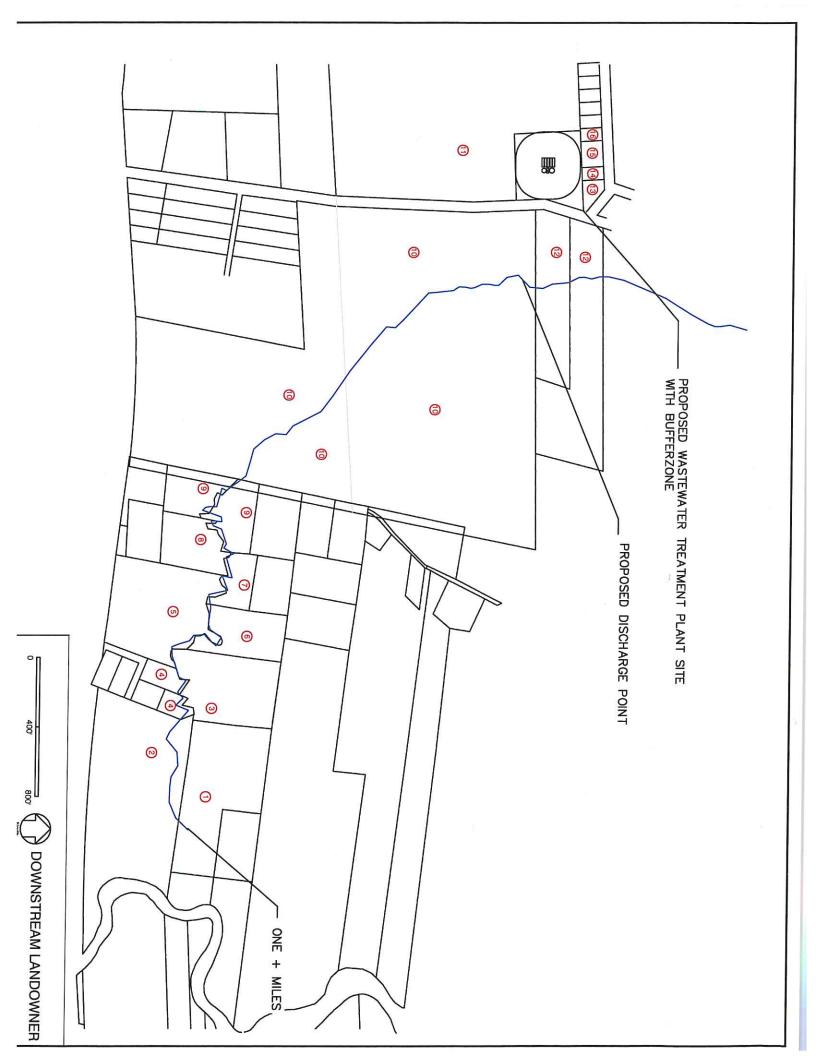
# Public Involvement Plan Form for Permit and Registration Applications

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, <u>and</u>						
Located within any of the following geographical locations:						
<ul> <li>Austin</li> <li>Dallas</li> <li>Fort Worth</li> <li>Houston</li> <li>San Antonio</li> <li>West Texas</li> <li>Texas Panhandle</li> <li>Along the Texas/Mexico Border</li> <li>Other geographical locations should be decided on a case-by-case basis</li> </ul>						
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 <b>brief</b> explanation.						
This application is not for an industry which typically has significant public interest						

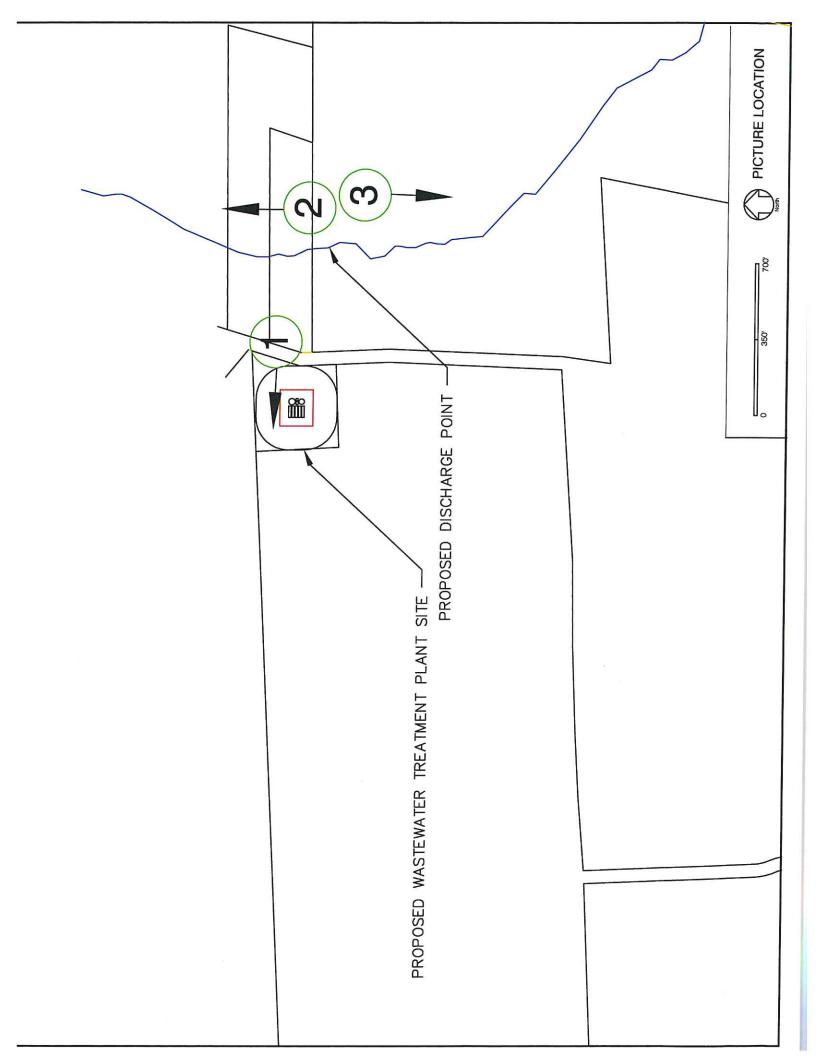
TCEQ-20960 (02-09-2023)

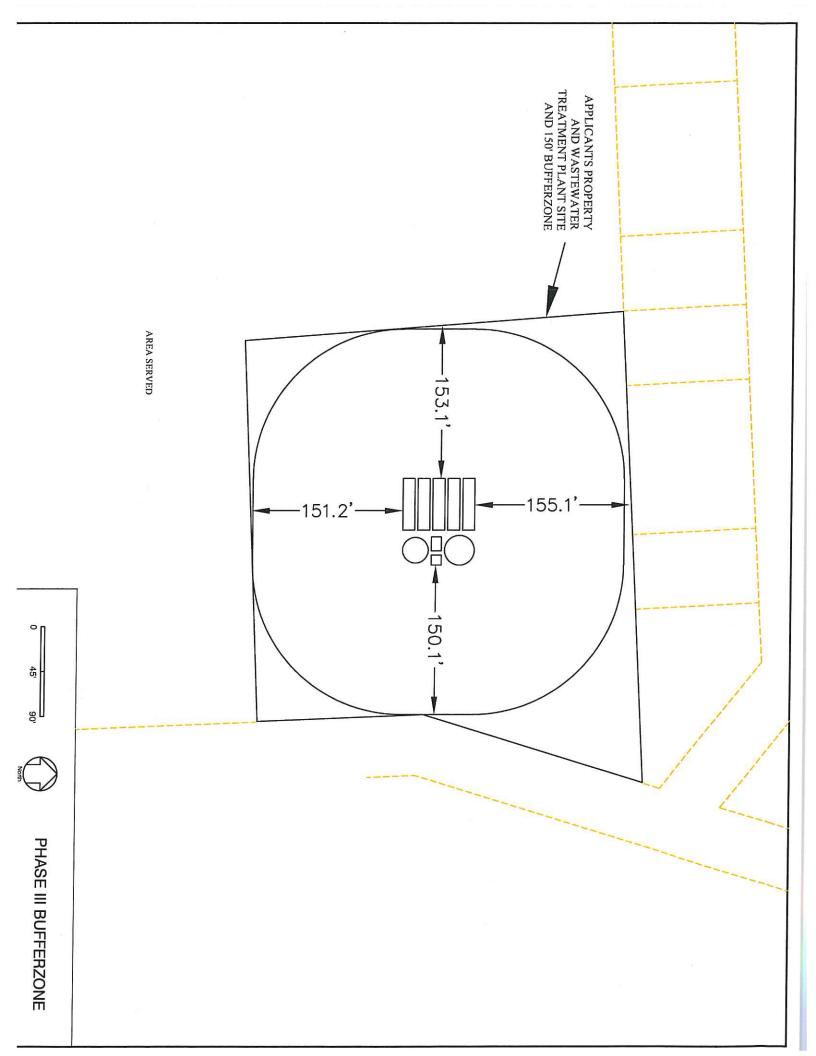


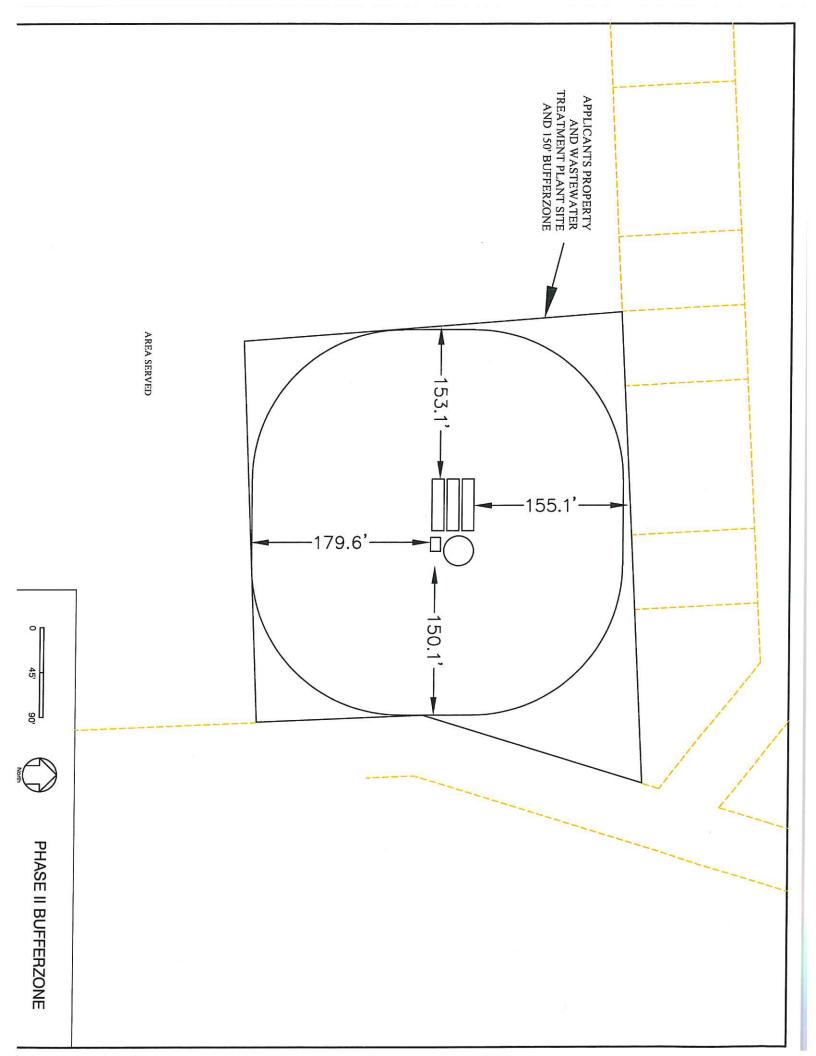
- DANIEL, JONATHAN & SABRINA
   902 BEL AIRE DR ROSWELL NM 88201-7713
- EBANKS, DRYL
   28135 FM 1485 RD
   NEW CANEY TX 77357-7965
- 7. PORTER, CONNIE JOE & VIDA LEE 28068 SEVEN SISTERS RD NEW CANEY TX 77357-7228
- 10. THE BOBBY R CASEY
  ENDOWED FUND FOR NEW
  CANEY ISD
  21580 LOOP 494
  NEW CANEY TX 77357
- 13. SANTOS, ISMAEL & MELISSA POOL 21000 MCGAGER DR NEW CANEY TX 77357-7812
- 16. MARTINEZ, JOSE A &
  CONSUELO
  27614 COACH LIGHT LN
  NEW CANEY TX 77357-7126

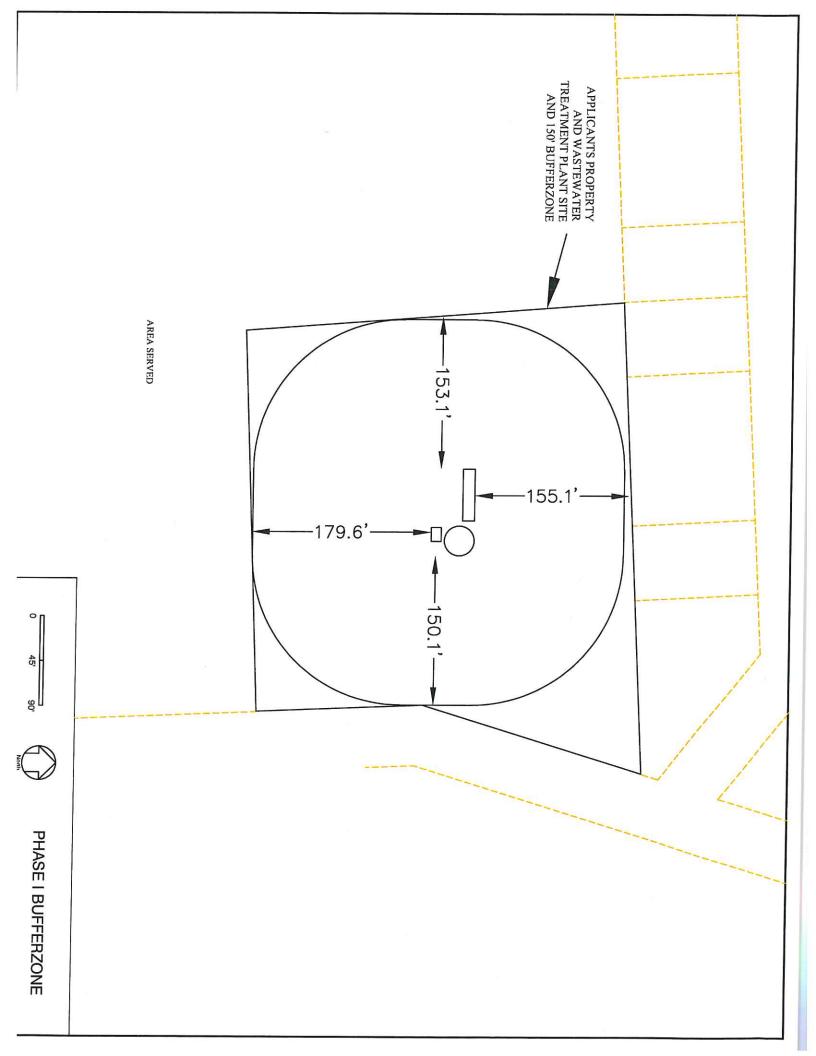
- 2. EAST FORK LLC 21481 TOWERGUARD DR KINGWOOD TX 77339-2143
- 5. PHOENIX RES LLC (677555) PO BOX 1161 HUMBLE TX 77347-1161
- 8. POLK, LIZ 20237 MONDAY HARGROVE RD NEW CANEY TX 77357-7239
- 11. GHALAYINI, HEDIAN 4027 LONGWOOD DR BAYTOWN TX 77523-4204
- 14. ANSLEY, ARLEN R JR &
  BRANDY M (337259)
  27621 LANTERN LN
  NEW CANEY TX 77357-5230

- 3. JETT, RUFUS 28140 SEVEN SISTERS RD NEW CANEY TX 77357-7230
- 6. KROLCZYK, FRANCES 28096 SEVEN SISTERS RD NEW CANEY TX 77357-7228
- 9. WHITENER-MCGUIRE, ELLEN
  CASEY
  20231 MONDAY HARGROVE
  RD
  NEW CANEY TX 77357-7239
- 12. WALKER, FRANKLIN D &
  REBECCA M
  19905 WILLABY RD
  NEW CANEY TX 77357-7211
- 15. MIRANDA, CRISTINA 26769 BURNING TREE NEW CANEY TX 77357-7107









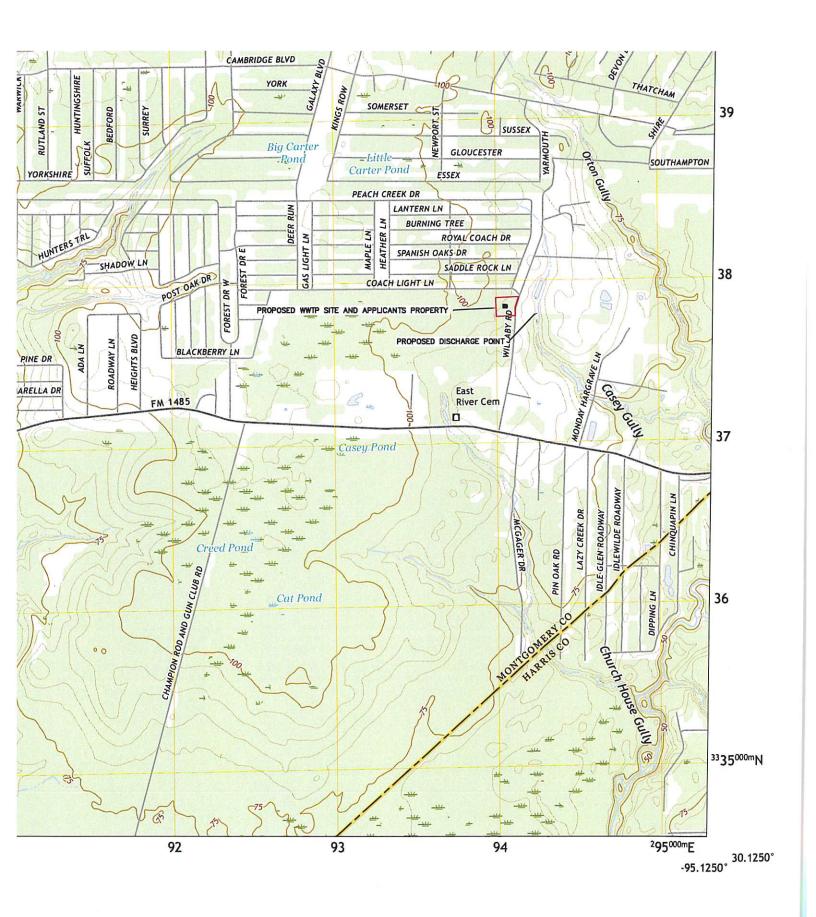
# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

# FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

	- 1
TCEQ USE ONLY:	
Application type:RenewalMajor AmendmentMinor AmendmentNev	v
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 requour agreement with EPA. If any of the items are not completely addressed or further information before issuing the permit. Addresech item completely.	mation
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. Th application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this may be directed to the Water Quality Division's Application Review and Processing Team bemail at WO-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.	is form
The following applies to all applications:	
1. Permittee: Undine Texas Environmental, LLC	
Permit No. WQ00 EPA ID No. TX	
Address of the project (or a location description that includes street/highway, city/viciand county):	nity,
The facility will be located approx. 0.5 miles n of the intersection of 99 and Willaby	

		de the name, address, phone and fax number of an individual that can be contacted to er specific questions about the property.				
	Prefix	(Mr., Ms., Miss): <u>Mr</u>				
	First a	and Last Name: <u>Jeff Goebel</u>				
	Crede	ntial (P.E, P.G., Ph.D., etc.):				
	Title:	<u>Consultant</u>				
	Mailin	g Address: <u>32002 Pattys Landing</u>				
	City, S	itate, Zip Code: <u>Magnolia TX 77354</u>				
	Phone	No.: <u>713-724-9321</u> Ext.: Fax No.:				
	E-mail	Address: <u>texaswater@sbcglobal.net</u>				
2.	List th	e county in which the facility is located: <u>Johnson</u>				
3.		property is publicly owned and the owner is different than the permittee/applicant, list the owner of the property.				
		property is not publicly owned				
4. Provide a description of the effluent discharge route. The discharge route must follow the 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 ide the classified segment number.						
	To Casey gully thence to East Fork of the San Jacinto River					
	0					
5.	plotted route	provide a separate 7.5-minute USGS quadrangle map with the project boundaries d and a general location map showing the project area. Please highlight the discharge from the point of discharge for a distance of one mile downstream. (This map is ed in addition to the map in the administrative report).				
	Provid	e original photographs of any structures 50 years or older on the property.				
	Does y	our project involve any of the following? Check all that apply.				
		Proposed access roads, utility lines, construction easements				
		Visual effects that could damage or detract from a historic property's integrity				
		Vibration effects during construction or as a result of project design				
		Additional phases of development that are planned for the future				
		Sealing caves, fractures, sinkholes, other karst features				

		Disturbance of vegetation or wetlands
1.	of cave	oposed construction impact (surface acres to be impacted, depth of excavation, sealing es, or other karst features):
	None	
2.		oe existing disturbances, vegetation, and land use:
	Trees	
ГН	E FOLLO	OWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR
4M	IENDME	ENTS TO TPDES PERMITS
3.	Not kr	nstruction dates of all buildings and structures on the property: nown
<del>1</del> .		e a brief history of the property, and name of the architect/builder, if known.
	Not Kı	<u>nown</u>



# Facility Dimensions & Facility Features

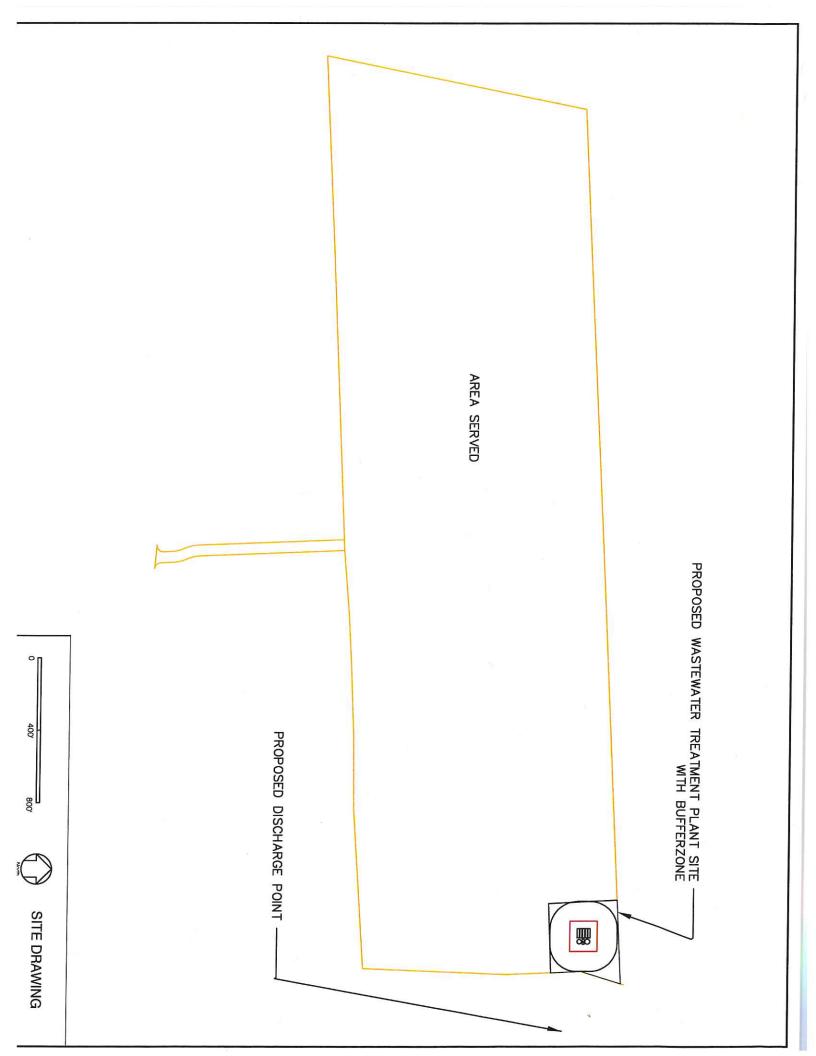
The facility will employ the complete mix variation of the activated sludge process designed for single stage nitrification - From the lift station the wastewater will travel through a coarse barscreen then to the complete mix basin; from the basin the mix-liquor will be transferred to the clarifier where solids will be settled out and clear water will flow over the weirs then into the chlorine contact basin. The settled solids will either be transferred to the digester or returned to the headworks.

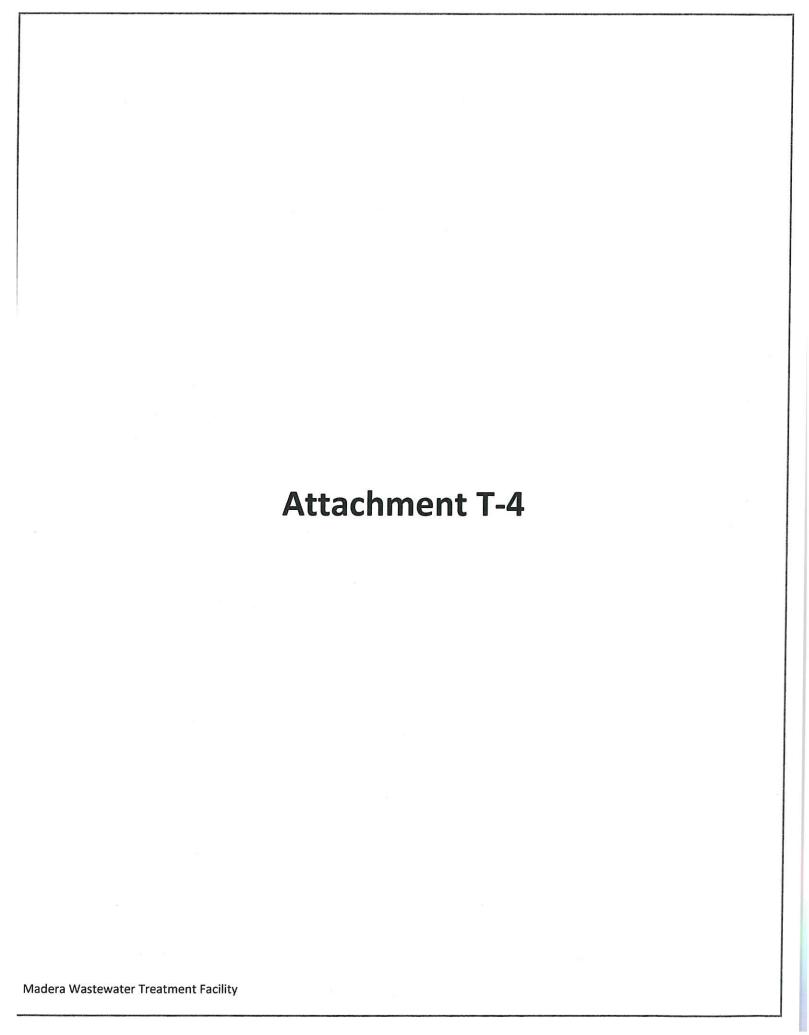
Phase I - 0.0625 MGD				
Unit	Number of Units	Length	Width	Height
Clarifier	1		30' Dia	12'
Chloring Contact	1	12'	12'	12'
Aeration	1	35'	12'	12'
Digester	1	25'	12'	12'

Phase II - 0.175 MGD				
Unit	Number of Units	Length	Width	Height
Clarifier	1		30' Dia	12'
Chloring Contact	1	12'	12'	12'
Aeration	3	35'	12'	12'
Digester	3	25'	12'	12'

Phase II - 0.290 MGD						
Unit Number of Units Length Width Height						
			30' Dia & 1			
Clarifier	2		& 28' Dia	12'		
Chloring Contact	2	12'	12'	12'		
Aeration	5	35'	12'	12'		
Digester	5	25'	12'	12'		

- For short power outages the sewage will be contained in the collection system. The plant features
  digesters, chlorinator, and stand-by blowers. The plant is to be maintained and operated by personnel
  licensed by the State of Texas.
- The plant is designed to be maintained without bypassing. Replacement or repair of the interior coating system is the only maintenance item that would necessitate bypassing and the epoxy system should last 25-30 years.
- An intruder resistant fence will be placed around the facility.
- · A generator will be placed at the facility with automatic transfer switch for power outages





## **SLUDGE PRODUCTION RATES**

	Avg. Da		se I GD) =	0.063	
I. PARAMETERS	<u>100%</u>	Percent 75%	Capacity <u>50%</u>	<u>25%</u>	
Average Daily Flows (MGD)	0.0625	0.046875	0.03125	0.015625	
Dimensions & Volume of Digester	Volume =	2,561	cu.ft. =	19,155	gal
CBOD₅ Removal		Influent Cond Effluent Cond Net		250 10 240	mg/l mg/l mg/l
II. DAILY SLUDGE PRODUCTION					
Lbs. BOD <sub>5</sub> /day Removal	125	94	63	31	
Lbs.of Dry Sludge ( using sludge age =30days at 20°C, 0.315 lbs. Sludge/lb. $BOD_5$ removed )	39	30	20	10	
Lbs of Wet Sludge Produced (assume 1.5% solids, lbs.dry/0.015)	2,627	1,970	1,314	657	
Volume of Wet Sludge Produced (gal/day)'= lbs. wet /8.34 lbs/gal	315	236	158	79	
III. REMOVAL SCHEDULE				ė	
Digester (gal) / Vol wet sludge produced = days between empties	61	81	122	243	

### **Process Loadings**

MLSS (mg/l) =

3000

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the process to thicken the wasted solids.

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

# **SLUDGE PRODUCTION RATES**

	Avg. Dai		ase II iD) =	0.175	
I. PARAMETERS	<u>100%</u>	Percent 75%	Capacity <u>50%</u>	<u>25%</u>	
Average Daily Flows (MGD)	0.175	0.13125	0.0875	0.04375	
Dimensions & Volume of Digester	Volume =	7,682	cu.ft. =	57,464	gal
CBOD <sub>5</sub> Removal		nfluent Conc Effluent Conc Net		250 10 240	mg/l mg/l mg/l
II. DAILY SLUDGE PRODUCTION					
Lbs. BOD <sub>5</sub> /day Removal	350	263	175	88	
Lbs.of Dry Sludge ( using sludge age =30days at 20°C, 0.315 lbs. Sludge/lb.BOD $_{\rm 5}$ removed )	110	83	55	28	
Lbs of Wet Sludge Produced (assume 1.5% solids, lbs.dry/0.015)	7,356	5,517	3,678	1,839	
Volume of Wet Sludge Produced (gal/day)'= lbs. wet /8.34 lbs/gal	882	662	441	221	
III. REMOVAL SCHEDULE					
Digester (gal) / Vol wet sludge produced = days between empties	65	87	130	261	

### **Process Loadings**

MLSS (mg/l) =

3000

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the process to thicken the wasted solids.

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

# **SLUDGE PRODUCTION RATES**

	Avg. Dai	Ph ly Flow (Mo	ase III GD) =	0.290	
I. PARAMETERS	<u>100%</u>	Percen <b>75%</b>	t Capacity <u>50%</u>	<u>25%</u>	
Average Daily Flows (MGD)	0.29	0.2175	0.145	0.0725	
Dimensions & Volume of Digester	Volume =	12,804	cu.ft. =	191,548	gal
CBOD₅ Removal		nfluent Cond Effluent Cond Net		250 10 240	mg/l mg/l mg/l
II. DAILY SLUDGE PRODUCTION					
Lbs. BOD <sub>5</sub> /day Removal	580	435	290	145	
Lbs.of Dry Sludge ( using sludge age =30days at 20°C, 0.315 lbs. Sludge/lb. $BOD_5$ removed )	183	137	91	46	
Lbs of Wet Sludge Produced (assume 1.5% solids, lbs.dry/0.015)	12,190	9,142	6,095	3,047	
Volume of Wet Sludge Produced (gal/day)'= lbs. wet /8.34 lbs/gal	1462	1096	731	365	
III. REMOVAL SCHEDULE					
Digester (gal) / Vol wet sludge produced = days between empties	131	175	262	524	

### **Process Loadings**

MLSS (mg/l) =

3000

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the process to thicken the wasted solids.

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

Plant: Madrea TCEQ Permit: Pending

To Whom It May Concern:

Mount Houston Road Municipal Utility District, owner of a Waste Water Treatment Plant (Permit #WQ0011154001) located approximately 1.3 miles northwest of the intersection of State Highway 249 and Veterans Memorial Drive, Houston, Texas, and Magna Flow Environmental, owner of the Processing Permit (Permit #WQ0005023000)

Date: 12/15/2024

Magna Flow Environmental and Mount Houston Road Municipal Utility District have entered into a contractual agreement, where Magna Flow Environmental (T.C.E.Q. Transporter Permit #21484) will dewater sewage sludge from other waste treatment plants at the Mount Houston Road Municipal Utility District treatment plant. Dewatered Sludge will then be disposed of at a T.C.E.Q. permitted disposal site. Mount Houston Road Municipal Utility District has the capacity to accept sludge from the above mentioned plant.

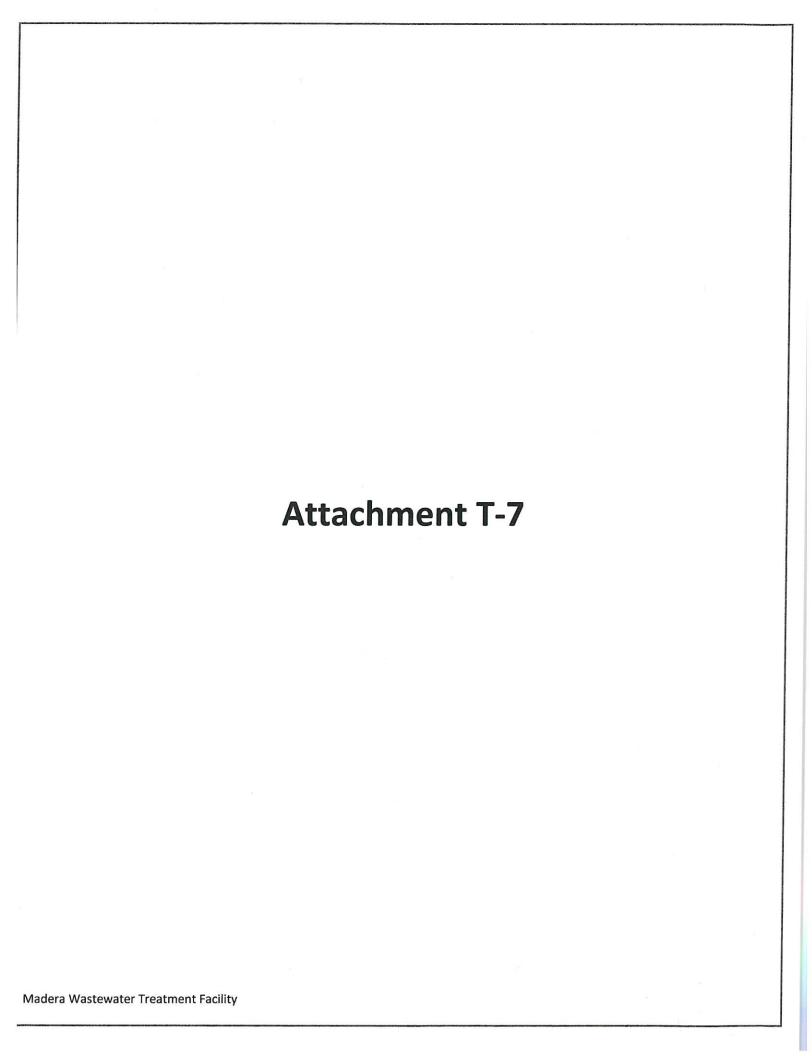
Magna Flow Environmental agrees to accept and be responsible for the sludge dewatered at the plant. We will maintain responsibility for the life of the permit.

President

M. Marlon Ivy & Associates Operator for MTH MUD

Yerry McCurtain

Magna Flow Environmental



#### **TECHNICAL DESIGN REPORT**

#### **FOR**

#### Madera

- PURPOSE The purpose of this report is to present the basis of design and summary of uni sizing and hydraulic calculations for the Sewage Treatment Plant.
- 2. <u>DESCRIPTION OF PROPERTY</u> The project under development is a residential community
- 3. <u>POPULATION SERVED</u> The location of the proposed facility is shown on Sheet One of the Plans. The population flow is based on 100 gallons per capita per day.
- 4. <u>INFLUENT QUALITY CHARACTERISTICS</u> The raw sewage quality characteristics used for design are estimates based on past experience and on State Design Criteria and are as follows:

PARAMETER	CONCENTRATION - MG/L	PER CAPITA CONTRIBUTION - LB/DAY
BOD5	250	0.1668
TSS	250	0.2000

5. <u>INFLUENT FLOW CHARACTERISTICS</u> The hydraulic design of the plant must be conservative to insure that the plant will operate under the most extreme conditions anticip Future enlargement to the plant will be based on actual influent flow data. The plant proces and hydraulic design for this phase are based on the following flows:

	First Phase		
Average Daily Flow (Qav)	62,500 GPD	43 GPM	
Peak 2-Hr. Flow (Qpk) 4	250,000 GPD	174 GPM	
	Second P	hase	
Average Daily Flow (Qav)	175,000 GPD	122 GPM	
Peak 2-Hr. Flow (Qpk) 4	700,000 GPD	486 GPM	
	Third Phase		
Average Daily Flow (Qav)	290,000 GPD	201 GPM	
Peak 2-Hr. Flow (Qpk) 4	1,160,000 GPD	806 GPM	

Refer to Attachment "A" - Process Design Calculations, Hydraulic Profile Calculations, Process Flow Diagrams, and Plant Discharge relationship for the 100 year flood.

6. <u>PROCESS DESIGN</u> The Sewage Treatment Plant has been designed to produce an effluent in compliance with permitted perameters of: BOD5 = 10 mg/l, TSS = 15 mg/l, and Chlorine

# **Proposed Organic Loading**

Influent Conditions	First Pha GPD	ise GPM	Second GPD	Phase GPM	Third F GPD
Average Daily Flow - Qav	62,500	43	175,000	122	290,000
2hr. Peak Flow (Qpk)	250,000	174	700,000	486	1,160,000
BOD <sub>5</sub> (lbs/day)@.1668 lb/capita	130.3125		364.875		604.65
2 hr AverageFlow (Qav) cf/sec 2 hr Peak Flow (Qpk) cf/sec	0.10 0.39		0.2 <sup>-</sup> 1.08		0.4 1.7
Effluent (30 Day Average)					
BOD <sub>5</sub> (mg/l)	250				
TSS (mg/l)	250				
Process Loadings					
MLSS (mg/l)	3000				
RASS (mg/l)	6000				
Areation					
Total Aeration Vol. Available	4097.28 cf		12291.84 c	f	20486.4
Organic Loading (lbs/day/1000cu ft)	31.8 lbs		29.7 lb	s	29.5
TCEQ Maximum Organic Loading	35 lbs		35 lb	s	35
lbs/day/1000cu ft	22 (22			<del></del>	
<u>Digester</u>					
Total Volume Available	2560.8 cf		7682.4 ct	:	12804
Digester Loadings (Vol.) / (lbs BOD <sub>5</sub> )	19.7 cf/lt	)	21.1 cf	/lb	21.2
TCEQ Minimum Volume for Organic Loading	20 cf/lt	)	20 cf	/lb	20
Retention Time (Vol) / (BOD <sub>5</sub> )(1.1355)	17.3 days		18.5 days		18.6
Clarifica					
<u>Clarifier</u> Diameter	30 ft ( [	Dia "A")	30 ft	( Dia "A")	30
Siamoto.	200	Dia "B")		( Dia "B")	26
		Dia "C"		Dia "C",	0
Area	706.9 sf		706.9 sf		1237.8
TCEQ Maximum Surface Loading @ Qav	1,200 GPE	0/sf	1,200 GI	PD/sf	1,200
Surface Loading @ Qpk	353.68 GPD/sf		990.30 GPD/sf		937.16
Stilling Well Diameter	3 ft (D	ia "A")	3 ft (	Dia "A")	3
	0 ft (D	ia "B")	0 ft (	Dia "B")	3
CEILE - MAIL A	0 ft (D	ia "C")	and the second s	Dia "C")	0
Stilling Well Aera	7.07 sf		7.07 sf		14.14

Vert. Flow Velosity @ Qpk (CFS) /			
(Area)	0.05 ft/sec	0.15 ft/sec	0.13
	Third Phase	Third Phase	Third F
Clarifier Weir			
Weir Diameter	28 ft ("A")	28 ft ("A")	28
	1 ft ("B")	1 ft ("B")	1
Weir Length	88.0 ft ("A")	88.0 ft ("A")	88.0
	1.0 ft ("B")	1.0 ft ("B")	1.0
Total Weir length	279.5	279.5	279.5
Maximum Weir loading at Qpk	20,000 GPD/sq.ft.	20,000 GPD/sq.ft.	20,000
Weir Loading at Qpk	894.5 GPD/sq.ft.	2,504.6 GPD/sq.ft.	4,150.4
Chlorine Contact Chamber			
Volume Required by TCEQ	464.2	1,299.8	2,153.9
Volume Furnished cf	1350.00 cf	1350.00 cf	2300.00
Volume gal	10,098.0 gal	10,098.0 gal	17,204.0
Min TCEQ Detention Time	20 min	20 min	20
Detention Time @ Qpk (Vol.			
Gal)(1440) / (Qpk GPD)	58.2 min	20.8 min	21.4
Dosage Rate			
lb/day=Qpk MGD**mg/1*8.34	23.98 lb/day	67.15 lb/day	111.27
Solution Water Supply		1950	
GPM=20 Gpm/100lb/day	4.80 GPM	13.43 GPM	22.25
· , ·			

⊃hase **GPM** 201 806

15 79

cf lbs

lbs

cf

cf/lb

cf/lb

days

ft ( Dia "A") ft ( Dia "B") ft ( Dia "C")

sf

GPD/sf

GPD/sf

ft (Dia "A") ft (Dia "B") ft (Dia "C") sf

ft/sec

⊃hase

ft ("A") ft ("B") ft ("A") ft ("B")

GPD/sq.ft. GPD/sq.ft.

cf

gal

min

min

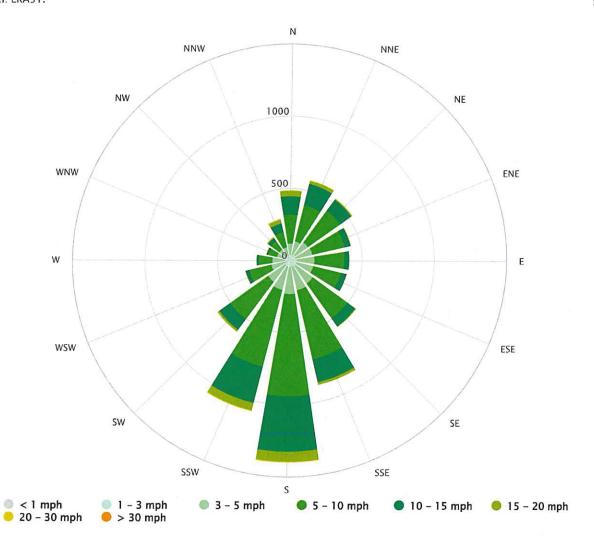
lb/day

GPM

**Attachment T-8** 

29.76°N, 95.36°W (12 m asl). Model: ERAST.





### TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

### A. Existing/Interim I Phase

Design Flow (MGD): <u>0.0625</u>

2-Hr Peak Flow (MGD): 0.25

Estimated construction start date: 9/2025

Estimated waste disposal start date: 5/2026

### **B.** Interim II Phase

Design Flow (MGD): 0.175

2-Hr Peak Flow (MGD): 0.7

Estimated construction start date: 2028

Estimated waste disposal start date: 2028

#### C. Final Phase

Design Flow (MGD): <u>0.290</u>

2-Hr Peak Flow (MGD): 1.160

Estimated construction start date: 2030

Estimated waste disposal start date: 2030

### D. Current Operating Phase

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

## Section 2. Treatment Process (Instructions Page 43)

### A. Current Operating Phase

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

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

Attachment T-1	

#### **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

Number of Units	Dimensions (L x W x D)
	Number of Units

### C. Process Flow Diagram

Provide flow diagrams for the existing facilities and each proposed phase of construction.

Attachment: T-2

### Section 3. Site Information and Drawing (Instructions Page 44)

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

• Latitude: 30° 9'14.78"N

• Longitude: 95° 8'11.17"W

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

• Latitude: Click to enter text.

• Longitude: Click to enter text.

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

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

Attachment: T-3

Madera Subdivision	emption of the area	served by the treatment	racmry.
Collection System Information each uniquely owned collection systems. Examples.  Collection System Information	tion system, existin <b>Please see the inst</b> i	g and new, served by th	is facility, including
Collection System Name	Owner Name	Owner Type	Population Serve
Madera	Undine Texas Environmental, LLC	Privately Owned	0
		Choose an item.	
		Choose an item.	l l
		Choose an item.	A.
Section 4. Unbuilt Pl Is the application for a renew  ☐ Yes ☒ No  If yes, does the existing perm years of being authorized by	nit contain a phase	contains an unbuilt pha	-
☐ Yes ☑ No  If yes, provide a detailed disc  Failure to provide sufficient  recommending denial of the	justification may	result in the Executive	
Click to enter text.			

## Section 5. Closure Plans (Instructions Page 45)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

		Yes	$\boxtimes$	No											
If	yes,	was a	clos	sure pla	an subr	nitted	to the	TCEQ?							
		Yes	$\boxtimes$	No											
If	yes,	provi	de a	brief d	escript	ion of	the cl	osure a	nd th	e date	of plan	appr	oval.		
(	Click t	o ente	r tex	t.			_								
												_			
Se	ectio	on 6.	P	Permi	t Spec	cific	Reau	ireme	ents	(Inst	ructio	ns P	age 4	45)	
25.5	All Mary				existin										
				perm		8 Perr	,		· Oth	er reeq			орес		
A.	Sun	ımary	trai	nsmitta	al										
			ıs an	d spec	ificatio	ns bee	n appı	oved f	or the	existi	ng facil	ities a	nd eac	ch pro	posed
	pha														
	10		es [			0	1.0		•						
		5			ate(s) o				7			• N 57 - 100 (100 (100 (100 (100 (100 (100 (10	•		
					includ: to the s										
	an a	ppro	val le	etter fr	om the	TCEC	Q, if ap	plicabl	le.						
	Cli	ck to e	enter	text.											
			ř.												- A
B.		er zo													
	100		600		requir	ement	s been	met?							
	-		es E				vc 000				1001				<b>4</b> 0
	the b		zon		oelow, i ailable,										ions of g the
	Clic	k to e	nter	text.											

C.	O	ther actions required by the current permit
	su	oes the <i>Other Requirements</i> or <i>Special Provisions</i> section in the existing permit require abmission of any other information or other required actions? Examples include otification of Completion, progress reports, soil monitoring data, etc.
		□ Yes ⊠ No
		<b>yes</b> , provide information below on the status of any actions taken to meet the onditions of an <i>Other Requirement</i> or <i>Special Provision</i> .
	(	Click to enter text.
_	_	
D.		rit 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
		<b>If No</b> , contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

		Describe the method of grit disposal.
		Click to enter text.
	4.	Grease and decanted liquid disposal
		Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.
		Describe how the decant and grease are treated and disposed of after grit separation.
		Click to enter text.
F	Ct.	ormwater management
L.		Applicability
	1.	Does the facility have a design flow of 1.0 MGD or greater in any phase?
		☐ Yes ☒ No
		Enter Description
		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
		<b>If yes</b> , please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:
		TXR05 Click to enter text. or TXRNE Click to enter text.
		If no, do you intend to seek coverage under TXR050000?
		□ Yes ⊠ No
	3.	Conditional exclusion
		Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?
		□ Yes ⊠ No

	If yes, please explain below then proceed to Subsection F, Other Wastes Received:
	Click to enter text.
4.	Existing coverage in individual permit
	Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?
	□ Yes ⊠ No
	<b>If yes</b> , 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
	<b>If yes</b> , 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

	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.
D	ischarges to the Lake Houston Watershed
D	oes the facility discharge in the Lake Houston watershed?
	⊠ Yes □ No
	yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions. ttachment T-4
O	ther 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 <sub>5</sub> concentration of the sludge, and the design BOD <sub>5</sub> 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 At O 1.

	accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the $BOD_5$ concentration of the septic waste, and the design $BOD_5$ concentration of the influent from the collection system. Also note if this
	information has or has not changed since the last permit action.
	Click to enter text.
	er e
	· ·
	Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.
3.	Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)
	Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?
	□ Yes ⊠ No
	If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.
	Click to enter text.
Secti	on 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)
Is the	facility in operation?
	Yes ⊠ No
If no t	this section is not applicable. Proceed to Section 9

**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 <sub>5</sub> , 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					P
Alkalinity (CaCO <sub>3</sub> )*, mg/l					

<sup>\*</sup>TPDES permits only †TLAP 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 <sub>3</sub> ), mg/l					

## Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: **Contract operations** 

Facility Operator's License Classification and Level: **Contract operations** 

Facility Operator's License Number: **Contract operations** 

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

A. WWTP's Biosolids Management Facility Type

		, ,,
	Che	eck 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)
В.	ww	TP's Biosolids Treatment Process
	Che	ck all that apply. See instructions for guidance.
	$\boxtimes$	Aerobic Digestion
		Air Drying (or sludge drying beds)
		Lower Temperature Composting
		Lime Stabilization
		Higher Temperature Composting
		Heat Drying
		Thermophilic Aerobic Digestion
		Beta Ray Irradiation
		Gamma Ray Irradiation
		Pasteurization
		Preliminary Operation (e.g. grinding, de-gritting, blending)
		Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
		Sludge Lagoon
		Temporary Storage (< 2 years)
		Long Term Storage (>= 2 years)
		Methane or Biogas Recovery
		Other Treatment Process: <u>Click to enter text.</u>

### C. Biosolids Management

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

all biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

### **Biosolids Management**

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Agricultural Land Application	Off-site Third-Party Handler or Preparer	Bulk		Class B: PSRP Aerobic Digestion	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): Attachment T-5

### D. Disposal site

Disposal site name: Attachment T-5

TCEQ permit or registration number: <u>Attachment T-5</u> County where disposal site is located: <u>Attachment T-5</u>

### E. Transportation method

Method of transportation (truck, train, pipe, other): Attachment T-5

Name of the hauler: Attachment T-5

Hauler registration number: Attachment T-5

Sludge is transported as a:

Liquid □	comi liquid 🖂	semi-solid □	solid □
Liquid 🗀	semi-liquid 🛛	Seim-Sona	Sona 🗀

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

### A. Beneficial use authorization

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

□ Yes ⊠ No

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

□ Yes ⊠ No

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

□ Yes ⊠ No				
B. Sludge processing authorization				
Does the existing permit include authorization fo storage or disposal options?	r any	of the fo	llow	ing sludge processing,
Sludge Composting		Yes		No
Marketing and Distribution of sludge		Yes		No
Sludge Surface Disposal or Sludge Monofill		Yes		No
Temporary storage in sludge lagoons		Yes		No
If yes to any of the above sludge options and the authorization, is the completed <b>Domestic Wastev</b> Technical Report (TCEQ Form No. 10056) attach  ☐ Yes ☑ No	vater	Permit A	ppli	cation: Sewage Sludge
Section 11. Sewage Sludge Lagoons (Ins	truc	tions Pa	age	53)
Does this facility include sewage sludge lagoons?			-0-	
☐ Yes ☒ No				
If yes, complete the remainder of this section. If no, p	orocee	ed to Sect	ion	12.
A. Location information				
The following maps are required to be submitted provide the Attachment Number.	as pa	rt of the a	appl	ication. For each map,
Original General Highway (County) Map:				
Attachment: Click to enter text.				
<ul> <li>USDA Natural Resources Conservation Serv</li> </ul>	ice So	oil Map:		
Attachment: Click to enter text.				
<ul> <li>Federal Emergency Management Map:</li> </ul>				
Attachment: Click to enter text.				
Site map:				
Attachment: Click to enter text.	75 22230			
Discuss in a description if any of the following exi apply.	st wit	hin the la	igoo	n area. Check all that
☐ Overlap a designated 100-year frequency f	lood j	olain		
☐ Soils with flooding classification				
☐ Overlap an unstable area				
□ Wetlands				
☐ Located less than 60 meters from a fault				
□ None of the above				
Attachment: Click to enter text				

	If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:
	Click to enter text.
В.	Temporary storage information
	Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in <i>Section 7 of Technical Report 1.0.</i>
	Nitrate Nitrogen, mg/kg: Click to enter text.
	Total Kjeldahl Nitrogen, mg/kg: Click to enter text.
	Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.
	Phosphorus, mg/kg: Click to enter text.
	Potassium, mg/kg: Click to enter text.
	pH, standard units: Click to enter text.
	Ammonia Nitrogen mg/kg: Click to enter text.
	Arsenic: Click to enter text.
	Cadmium: Click to enter text.
	Chromium: <u>Click to enter text.</u>
	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: <u>Click to enter text.</u>
	Zinc: Click to enter text.
	Total PCBs: <u>Click to enter text.</u>
	Provide the following information:
	Volume and frequency of sludge to the lagoon(s): Click to enter text.
	Total dry tons stored in the lagoons(s) per 365-day period: Click to enter text.
	Total dry tons stored in the lagoons(s) over the life of the unit: Click to enter text.
c.	Liner information
	Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1 \times 10^{-7}$ cm/sec?
	□ Yes □ No

C.

		s, describe the inter below. Flease note that a liner is required.
	Clic	k to enter text.
D	. Site o	levelopment plan
	Provi	de a detailed description of the methods used to deposit sludge in the lagoon(s):
	Clic	to enter text.
	Attac	h the following documents to the application.
	•	Plan view and cross-section of the sludge lagoon(s)
		Attachment: Click to enter text.
	•	Copy of the closure plan
		Attachment: Click to enter text.
	•	Copy of deed recordation for the site
		Attachment: Click to enter text.
	•	Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
		Attachment: Click to enter text.
	•	Description of the method of controlling infiltration of groundwater and surface water from entering the site
		Attachment: Click to enter text.
	•	Procedures to prevent the occurrence of nuisance conditions
		Attachment: Click to enter text.
Е.	Groun	dwater 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	andwater 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.
	Att	achment: Click to enter text.

E.

# Section 12. Authorizations/Compliance/Enforcement (Instructions Page 55)

A. Additional authorizations
Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?
□ Yes ⊠ No
If yes, provide the TCEQ authorization number and description of the authorization:
Click to enter text.
B. Permittee enforcement status
Is the permittee currently under enforcement for this facility?
□ Yes ⊠ No
Is the permittee required to meet an implementation schedule for compliance or enforcement?
□ Yes ⊠ No
<b>If yes</b> to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:
Click to enter text.
Section 13. RCRA/CERCLA Wastes (Instructions Page 55)
A. RCRA hazardous wastes
Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?
□ Yes ⊠ No

### B. Remediation activity wastewater

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

□ Yes ⊠ No

### C. Details about wastes received

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

Attachment: Click to enter text.

### Section 14. Laboratory Accreditation (Instructions Page 56)

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

- The laboratory is an in-house laboratory and is:
  - 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:**

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: Click to enter text.

Title: Click to enter text.

Signature:	
Date:	

## DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

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

## Section 1. Justification for Permit (Instructions Page 57)

### 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.

The area served is proposed to have 930 LUEs with a 20 contingency. The applicant is requesting a 290,000gpd permit to serve this development. The anticipated time frame for buildout is within 5 years.  Regionalization of facilities  For additional guidance, please review TCEO's Regionalization Policy for Wastewate Treatment¹.  Provide the following information concerning the potential for regionalization of downstewater treatment facilities:  1. Municipally incorporated areas  If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility Careas.	3
Regionalization of facilities For additional guidance, please review TCEO's Regionalization Policy for Wastewate Treatment <sup>1</sup> . Provide the following information concerning the potential for regionalization of downstewater treatment facilities:  1. Municipally incorporated areas  If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility O	
For additional guidance, please review <u>TCEQ's Regionalization Policy for Wastewate Treatment</u> .  Provide the following information concerning the potential for regionalization of downstewater treatment facilities:  1. Municipally incorporated areas  If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility O	
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Treatment <sup>1</sup> .  Provide the following information concerning the potential for regionalization of downstewater treatment facilities:  1. Municipally incorporated areas  If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility Conservations	
wastewater treatment facilities:  1. Municipally incorporated areas  If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility (	r
If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility C	omesti
	CCN
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 t 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 attac	
Attachment: Click to enter text.	
2. Utility CCN areas	
Is any portion of the proposed service area located inside another utility's CCN a	rea?
□ Yes ⊠ No	

<sup>&</sup>lt;sup>1</sup> 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: Attachment T-6** 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: Attachment T-6** 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: Attachment T-6 Proposed Organic Loading (Instructions Page 59)** Section 2. Is this facility in operation?  $\boxtimes$ Yes No If no, proceed to Item B, Proposed Organic Loading. If yes, provide organic loading information in Item A, Current Organic Loading A. Current organic loading Facility Design Flow (flow being requested in application): 0.290 Average Influent Organic Strength or BOD<sub>5</sub> Concentration in mg/l: 250 Average Influent Loading (lbs/day = total average flow X average BOD<sub>5</sub> conc. X 8.34): 604.65 Provide the source of the average organic strength or BOD<sub>5</sub> concentration.

TCEQ

### 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	0.290	250
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.290	
AVERAGE BOD₅ from all sources		250

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

### A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l: <u>15</u>

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.

B.	Interim II Phase Design Effluent Quality
	Biochemical Oxygen Demand (5-day), mg/l: 10
	Total Suspended Solids, mg/l: 15
	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: Click to enter text.
	Total Phosphorus, mg/l: Click to enter text.
	Dissolved Oxygen, mg/l: Click to enter text.
	Other: <u>Click to enter text.</u>
D.	Disinfection Method
	Identify the proposed method of disinfection.
	☑ Chlorine: 2 mg/l after 20 minutes detention time at peak flow
	Dechlorination process: None
	☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow
	□ Other: <u>Click to enter text.</u>
Sec	ction 4. Design Calculations (Instructions Page 59)
	ach design calculations and plant features for each proposed phase. Example 4 of the
	tructions includes sample design calculations and plant features.
	Attachment: Attachment T-7
Sec	ction 5. Facility Site (Instructions Page 60)
Α.	100-year floodplain
	Will the proposed facilities be located <u>above</u> the 100-year frequency flood level?
	F-F

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.

FIRM Maps		

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

Engineering
For a new or expansion of a facility, will a wetland or part of a wetland be filled?
□ Yes ⊠ No
If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?
□ Yes ⊠ No
If yes, provide the permit number: <u>Click to enter text.</u>
<b>If no,</b> provide the approximate date you anticipate submitting your application to the Corps: <u>Click to enter text.</u>
Wind rose
Attach a wind rose: Attachment T-7
ction 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)
Beneficial use authorization
Are you requesting to include authorization to land apply sewage sludge for beneficial us on property located adjacent to the wastewater treatment facility under the wastewater permit?
□ Yes ⊠ No
If yes, attach the completed <b>Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)</b> : Click to enter text.
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 <b>Domestic</b> Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056): Click to enter text.

## Section 7. Sewage Sludge Solids Management Plan (Instructions Page 61)

Attach a solids management plan to the application.

### Attachment: T-4

B.

B.

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

- Treatment units and processes dimensions and capacities
- Solids generated at 100, 75, 50, and 25 percent of design flow
- · Mixed liquor suspended solids operating range at design and projected actual flow

- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

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

# DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)							
Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?							
□ Yes ⊠ No							
If <b>no</b> , proceed it Section 2. <b>If yes</b> , provide the following:							
Owner of the drinking water supply: Click to enter text.							
Distance and direction to the intake: Click to enter text.							
Attach a USGS map that identifies the location of the intake.							
Attachment: Click to enter text.							
Section 2. Discharge into Tidally Affected Waters (Instructions Page							
64)							
Does the facility discharge into tidally affected waters?							
□ Yes ⊠ No							
If <b>no</b> , proceed to Section 3. <b>If yes</b> , complete the remainder of this section. If no, proceed to							
Section 3.							
A. Receiving water outfall							
Width of the receiving water at the outfall, in feet: Click to enter text.							
B. Oyster waters							
Are there oyster waters in the vicinity of the discharge?							
□ Yes □ No							
If yes, provide the distance and direction from outfall(s).							
Click to enter text.							
C. Sea grasses							
Are there any sea grasses within the vicinity of the point of discharge?							
☐ Yes ⊠ No							
If yes, provide the distance and direction from the outfall(s).							
Click to enter text.							

### Classified Segments (Instructions Page 64) Section 3. Is the discharge directly into (or within 300 feet of) a classified segment? $\boxtimes$ Yes □ No If yes, this Worksheet is complete. **If no**, complete Sections 4 and 5 of this Worksheet. **Description of Immediate Receiving Waters (Instructions** Section 4. **Page 65)** Name of the immediate receiving waters: Casey Creek A. Receiving water type Identify the appropriate description of the receiving waters. X Stream Freshwater Swamp or Marsh 100 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 105 Open Bay Tidal Stream, Bayou, or Marsh Other, specify: Click to enter text. B. Flow characteristics If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area upstream of the discharge. For new discharges, characterize the area downstream of the discharge (check one). Intermittent - dry for at least one week during most years Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses Perennial - normally flowing Check the method used to characterize the area upstream (or downstream for new dischargers). USGS flow records Historical observation by adjacent landowners Personal observation Other, specify: Click to enter text.

	List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.								
	Click	to enter text.							
D.	. Downstream characteristics								
	Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?								
	□ Yes □ No								
	If yes, discuss how.								
	Click	to enter text.							
Е.	E. Normal dry weather characteristics  Provide general observations of the water body during normal dry weather conditions.								
	Click to enter text.								
	Date a	nd time of obs	ervation: <u>Click to</u>	enter te	xt.				
	Was tł	ie water body ii	nfluenced by sto	rmwater	runoff during observations?				
		Yes 🗆 No							
Section 5. General Characteristics of the Waterbody (Instructions Page 66)									
A.	A. Upstream influences								
	Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.								
		Oil field activi	ties		Urban runoff				
		Upstream disc	charges		Agricultural runoff				
		Septic tanks			Other(s), specify: Click to enter text.				

C. Downstream perennial confluences

B.	Water	rbody uses							
	Observ	Observed or evidences of the following uses. Check all that apply.							
	☐ Livestock watering			Contact recreation					
		Irrigation withdrawal		Non-contact recreation					
	23	Fishing		Navigation					
		Domestic water supply		Industrial water supply					
		Park activities		Other(s), specify: Click to enter text.					
C.	. Waterbody aesthetics  Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.								
		Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional							
		□ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored							
		☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid							
		Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored							