



Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
 - English
 - Alternative Language (Spanish)
 2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
 - English
 - Alternative Language (Spanish)
 3. Application materials
-



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
 - Inglés
 - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
 - Inglés
 - Idioma alternativo (español)
3. Solicitud original

Undine Texas Environmental, LLC (CN604519330) operates Crestview Subdivision WWTP (RN102805645), a Domestic Wastewater Treatment Facility. The facility is located at 636 Bayou Drive, in Port Lavaca, Calhoun County, Texas 77979. renewal to discharge 30,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Domestic wastewater is treated by an activated sludge process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and a chlorine contact chamber.

Undine Texas Environmental, LLC (CN604519330) opera la planta de tratamiento de aguas residuales (RN102805645) de la subdivisión de Crestview, una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en 636 Bayou Drive, en Port Lavaca, condado de Calhoun, Texas 77979. Renovación para descargar 30,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal ($\text{NH}_3\text{-N}$) y *Escherichia coli*. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y una cámara de contacto con el cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0013954001

APPLICATION. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0013954001 (EPA I.D. No. TX0118923) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 30,000 gallons per day. The domestic wastewater treatment facility is located at 636 Bayou Drive, Port Lavaca, in Calhoun County, Texas 77979. The discharge route is from the plant site to a swale; thence to Chocolate Bayou (Non-Tidal); thence to Chocolate Bayou Tidal; thence to Lavaca Bay/Chocolate Bay. TCEQ received this application on September 24, 2024. The permit application will be available for viewing and copying at Calhoun County Courthouse, 211 South Ann Street, Port Lavaca, in Calhoun County, Texas prior to the date this notice is published in the newspaper. The application is available for viewing and copying at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.701111,28.598888&level=18>

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

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application.** If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing. A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at <https://www14.tceq.texas.gov/epic/eComment/>, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105,

P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

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

Issuance Date: November 18, 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 RENOVACION

PERMISO NO. WQ0013954001

APLICACIÓN. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del Permiso No. WQ0013954001 (Nº de identificación de la EPA TX0118923) autorizar la descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 30,000 galones por día. La instalación de tratamiento de aguas residuales domésticas está ubicada en 636 Bayou Drive, Port Lavaca, en el condado de Calhoun, Texas 77979. La ruta de descarga es desde el sitio de la planta hasta una zanja; de allí a Chocolate Bayou (Non-Tidal); de allí a Chocolate Bayou Tidal; de allí a la bahía de Lavaca / Bahía de Chocolate. La TCEQ recibió esta solicitud el 24 de septiembre de 2024. La solicitud de permiso estará disponible para ver y copiar en el Palacio de Justicia del Condado de Calhoun, 211 South Ann Street, Port Lavaca, en el Condado de Calhoun, Texas, antes de la fecha en que se publique este aviso en el periódico. La solicitud está disponible en la siguiente página web:

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

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.701111,28.598888&level=18>

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

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

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

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo,

la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

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

Fecha de emisión: 18 de noviembre de 2025

Erwin Madrid

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Friday, November 7, 2025 11:32 AM
To: Erwin Madrid
Subject: RE: Application for Permit No. WQ0013954001 - Notice of Deficiency Letter
Attachments: Supplemental Permit Information Form.docx; Municipal Discharge Renewal Spanish NORI.docx; Crest View english and Spanish PLS.docx

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality
PO Box 13087
Austin Texas 78711-3087

RE: Application to Renew Permit No.: WQ0013954001 (EPA I.D. No. TX0118923) Applicant Name: Undine Texas Environmental, LLC (CN604519330)

Site Name: Crestview Subdivision WWTP (RN102805645) Type of Application: Renewal without changes

VIA EMAIL

Dear Mradrid

Please see below responses to your 11/5/25 email

1. Supplemental Permit Information Form (SPIF): The SPIF is required for all discharge permit applications. Please complete and submit the required form.

PLEASE SEE ATTACHED

2. Plain Language Summaries: The application did not include the English and Spanish Plain Language Summaries. Please complete and submit the PLS documents. For guidance on how to complete the forms, please refer to the application instructions.

PLEASE SEE ATATCHED

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

THE NORI IS CORRECT

APPLICATION. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0013954001 (EPA I.D. No.

TX0118923) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 30,000 gallons per day. The domestic wastewater treatment facility is located at 636 Bayou Drive, Port Lavaca, in Calhoun County, Texas 77979. The discharge route is from the plant site to a swale; thence to Chocolate Bayou (Non-Tidal); thence to Chocolate Bayou Tidal; thence to Lavaca Bay/Chocolate Bay. TCEQ received this application on September 24, 2024. The permit application will be available for viewing and copying at Calhoun County Courthouse, 211 South Ann Street, Port Lavaca, in Calhoun County, Texas prior to the date this notice is published in the newspaper. The application is available at the following webpage:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.701111,28.598888&level=18>

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

PLEASE SEE ATATCHED

Sincerely,
Jeff Goebel

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>

Sent: Wednesday, November 5, 2025 3:41 PM

To: Jeff Goebel <jgoebel@undinellc.com>

Subject: RE: Application for Permit No. WQ0013954001 - Notice of Deficiency Letter

Importance: High

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Mr. Goebel,

I have reviewed the Transfer application and am close to completing the administrative review of the permit application; however, upon review, the following items are still needed from you. Please see attached updated NOD, English/Spanish PLS, and Spanish NORI template.

Please prepare and return the required documents to me as soon as possible so that I can declare the application administratively complete. If you have any questions/concerns, please let me know.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail.

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Thursday, October 3, 2024 12:31 PM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Application for Permit No. WQ0013954001 - Notice of Deficiency Letter
Importance: High

Dear applicant,

The attached Notice of Deficiency letter sent on **October 3, 2024**, requests additional information needed to declare the application administratively complete. Please send the complete response to my attention by **October 17, 2024**.

Regards,

Erwin Madrid
Team Lead
ARP Team | Water Quality Division
512-239-2191
Texas Commission on Environmental Quality



Please consider whether it is necessary to print this e-mail.

The contents of this email are intended only for the recipient(s) listed above. If you are not the intended recipient, you are directed not to read, disclose, distribute or otherwise use this transmission. If you have received this email in error, please notify the sender immediately and delete the transmission. Terms and conditions presented in this message are to be considered non-binding and are for discussion purposes only.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Undine Texas Environmental, LLC

Permit No. WQ00 WQ0013954001

EPA ID No. TX TX0118923

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

636 Bayou Drive, Port Lavaca, in Calhoun County, Texas 77979.

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

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

First and Last Name: Jeff Goebel

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

Title:

Mailing Address: 17681 Telge Rd

City, State, Zip Code: Cypress Texas 77429

Phone No.: 713-724-9321 Ext.: Fax No.:

E-mail Address: jgoebel@undinellc.com

2. List the county in which the facility is located: Johnson
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The property is not publicly owned

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

The discharge route is from the plant site to a swale; thence to Chocolate Bayou (Non-Tidal); thence to Chocolate Bayou Tidal; thence to Lavaca Bay/Chocolate Bay

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

None

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

WWTP

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

Not known

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

Not Known

Undine Texas Environmental, LLC (CN604519330) operates Crestview Subdivision WWTP (RN102805645), a Domestic Wastewater Treatment Facility. The facility is located at 636 Bayou Drive, in Port Lavaca, Calhoun County, Texas 77979. renewal to discharge 30,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Domestic wastewater is treated by an activated sludge process plant and the treatment units will include a bar screen, aeration basins, final clarifiers, sludge digesters, and a chlorine contact chamber.

Undine Texas Environmental, LLC (CN604519330) opera la planta de tratamiento de aguas residuales (RN102805645) de la subdivisión de Crestview, una instalación de tratamiento de aguas residuales domésticas. La instalación está ubicada en 636 Bayou Drive, en Port Lavaca, condado de Calhoun, Texas 77979. Renovación para descargar 30,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD₅) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH₃-N) y *Escherichia coli*. Las aguas residuales domésticas son tratadas por una planta de procesamiento de lodos activados y las unidades de tratamiento incluirán una pantalla de barras, cuencas de aireación, clarificadores finales, digestores de lodos y una cámara de contacto con el cloro.

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 RENOVACION

PERMISO NO. WQ00

APLICACIÓN. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) la renovación del Permiso No. WQ0013954001 (Nº de identificación de la EPA)

TX0118923) autorizar la descarga de aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 30,000 galones por día. La instalación de tratamiento de aguas residuales domésticas está ubicada en 636 Bayou Drive, Port Lavaca, en el condado de Calhoun, Texas 77979. La ruta de descarga es desde el sitio de la planta hasta una zanja; de allí a Chocolate Bayou (Non-Tidal); de allí a Chocolate Bayou Tidal; de allí a la bahía de Lavaca / Bahía de Chocolate. La TCEQ recibió esta solicitud el 24 de septiembre de 2024. La solicitud de permiso estará disponible para ver y copiar en el Palacio de Justicia del Condado de Calhoun, 211 South Ann Street, Port Lavaca, en el Condado de Calhoun, Texas, antes de la fecha en que se publique este aviso en el periódico. La solicitud está disponible en la siguiente página web:

<https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>.

Este enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como cortesía pública y no como parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.701111,28.598888&level=18>

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar

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

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

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

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios. Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia

administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

También se puede obtener información adicional del *Undine Texas Environmental, LLC* a la dirección indicada arriba o llamando a *Jeff Goebel* al *713-724-9321*

Fecha de emisión: *[Date notice issued]*

APPLICATION FOR RENEWAL OF A DOMESTIC WASTEWATER DISCHARGE PERMIT

Permit No.: WQ0013954001

Crestview 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
Austin 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 13954001

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

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

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

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

Section 1. Application Fees (Instructions Page 26)

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

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

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number:

Check/Money Order Amount:

Name Printed on Check:

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Pending

Section 2. Type of Application (Instructions Page 26)

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

- ☐ Publicly-Owned Domestic Wastewater
- ☒ Privately-Owned Domestic Wastewater
- ☐ Conventional Wastewater Treatment

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

- ☒ Active
- ☐ Inactive

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

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

d. Check the box next to the appropriate application type

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

e. For amendments or modifications, describe the proposed changes: [Click to enter text.](#)

f. For existing permits:

Permit Number: WQ00 13954001

EPA I.D. (TPDES only): TX 118923

Expiration Date: 2/10/2025

Section 3. Facility Owner (Applicant) and Co-Applcant Information (Instructions Page 26)

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

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

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-applcant 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-applcant 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: <http://www15.tceq.texas.gov/crpub/>

CN: Click to enter text.

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

Prefix: Click to enter text.

Last Name, First Name: Click to enter text.

Title: Click to enter text.

Credential: Click to enter text.

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

C. Core Data Form

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

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: 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

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.: 713-554-7820 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: 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 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.: 713-724-9321 E-mail Address: jgoebel@undinellc.com

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

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

- ☐ E-mail Address
☐ Fax
☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: 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

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Calhoun County Courthouse

Location within the building: Calhoun County Clerks Office

Physical Address of Building: 211 South Ann Street

City: Port Lavaca

County: Calhoun

Contact (Last Name, First Name): Click to enter text.

Phone No.: 361-553-4411 Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information is required for new, major amendment, minor amendment or minor modification, and renewal applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

☒ Yes ☐ No

If no, publication of an alternative language notice is not required; skip to Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?
- ☐ Yes ☒ No
4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?
- ☐ Yes ☒ No
5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Plain Language Summary Template

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

Attachment: A-2

G. Public Involvement Plan Form

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

Attachment: NA

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

- A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. RN 102805645

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

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

Crestview Subdivision Wastewater Treatment Facility

- C. Owner of treatment facility: Undine Texas Environmental, LLC

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

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

Prefix: Click to enter text.

Last Name, First Name: Undine Texas Environmental, LLC

Title: Click to enter text.

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

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

Attachment: Click to enter text.

E. Owner of effluent disposal site:

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

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

Prefix: [Click to enter text.](#)

Last Name, First Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Credential: [Click to enter text.](#)

Organization Name: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, Zip Code: [Click to enter text.](#)

Phone No.: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

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

Attachment: [Click to enter text.](#)

Section 10. TPDES Discharge Information (Instructions Page 31)

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

☒ Yes ☐ No

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

[Click to enter text.](#)

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

☒ Yes ☐ No

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

[Click to enter text.](#)

City nearest the outfall(s): Port Lavaca

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

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

☐ Yes ☒ No

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

- ☐ Authorization granted ☐ Authorization pending

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

Attachment: Click to enter text.

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

Section 11. TLAP Disposal Information (Instructions Page 32)

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

☐ Yes ☒ No

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

Click to enter text.

- B. City nearest the disposal site: Click to enter text.

- C. County in which the disposal site is located: Click to enter text.

- D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

Click to enter text.

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.

Section 12. Miscellaneous Information (Instructions Page 32)

- A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

- B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☒ Not Applicable

If **No**, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

Click to enter text.

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: [Click to enter text.](#)

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, please provide the following information:

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

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

☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

A-3

☐ 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: WQ0013954

Applicant: Undine Texas Environmental, LLC

Certification:

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

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

Signatory name (typed or printed): Vance Tillman

Signatory title: Chief Financial Officer

Signature: _____

(Use blue ink)

Date: _____

Subscribed and Sworn to before me by the said Vance Tillman

on this 6th

day of September

, 20 24

My commission expires on the 26th

day of January

, 20 25

Nicia Rotermund
Notary Public



Harris
County, Texas

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: Click to enter text.

Pending

Attachment A-1



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
☐ New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
☒ Renewal (Core Data Form should be submitted with the renewal form)		☐ Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN 604519330		RN 102805645

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
☐ New Customer ☐ Update to Customer Information ☒ Change in Regulated Entity Ownership				
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
UNDINE texas Environmental, LLC			GBRA	
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)	
801768069	32050717274	46316881		
11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited	
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☒ Other	☐ Sole Proprietorship		☒ Other: LLC	
12. Number of Employees		13. Independently Owned and Operated?		
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher		☒ Yes ☐ No		
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
☐ Owner ☐ Operator ☒ Owner & Operator ☐ Other:				
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant				
15. Mailing Address:	17681 Telge Rd			
	City	Cypress	State	TX
			ZIP	77429
			ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
			athomas@undinellc.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)

SECTION III: Regulated Entity Information**21. General Regulated Entity Information** (If 'New Regulated Entity' is selected, a new permit application is also required.)
☐ New Regulated Entity ☐ Update to Regulated Entity Name ☒ Update to Regulated Entity Information

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

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

Crestview Subdivision WWTP

23. Street Address of the Regulated Entity:

636 Bayou Drive

(No PO Boxes)

City	Port Lavaca	State	TX	ZIP	77979	ZIP + 4	
-------------	-------------	--------------	----	------------	-------	----------------	--

24. County

Calhoun

If no Street Address is provided, fields 25-28 are required.

25. Description to**Physical Location:****26. Nearest City****State****Nearest ZIP Code**

Port Lavaca

TX

77979

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:

28.566213

28. Longitude (W) In Decimal:

-96.701312

Degrees

Minutes

Seconds

Degrees

Minutes

Seconds

29. Primary SIC Code**30. Secondary SIC Code****31. Primary NAICS Code****32. Secondary NAICS Code**

(4 digits)

(4 digits)

(5 or 6 digits)

(5 or 6 digits)

4952

33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)

Water Utility

34. Mailing

17681 Telge Rd

Address:

City	Cypress	State	TX	ZIP	77429	ZIP + 4	
-------------	---------	--------------	----	------------	-------	----------------	--

35. E-Mail Address:

athomas@undinellc.com

36. Telephone Number**37. Extension or Code****38. Fax Number** (if applicable)

(713) 554-7820

() -

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

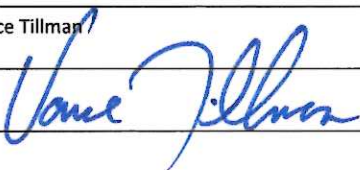
☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☒ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☐ Wastewater	☐ Wastewater Agriculture	☐ Water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

SECTION IV: Preparer Information

40. Name:	Jeff Goebel	41. Title:	bus dev
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 724-9321		() -	jgoebal@undinellc.com

SECTION V: Authorized Signature

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

Company:	Undine Texsa Environmental, LLC	Job Title:	CFO
Name (In Print):	Vance Tillman	Phone:	(713) 554- 7820
Signature:		Date:	09/06/24

Attachment A-2

Pending

Attachment A-3

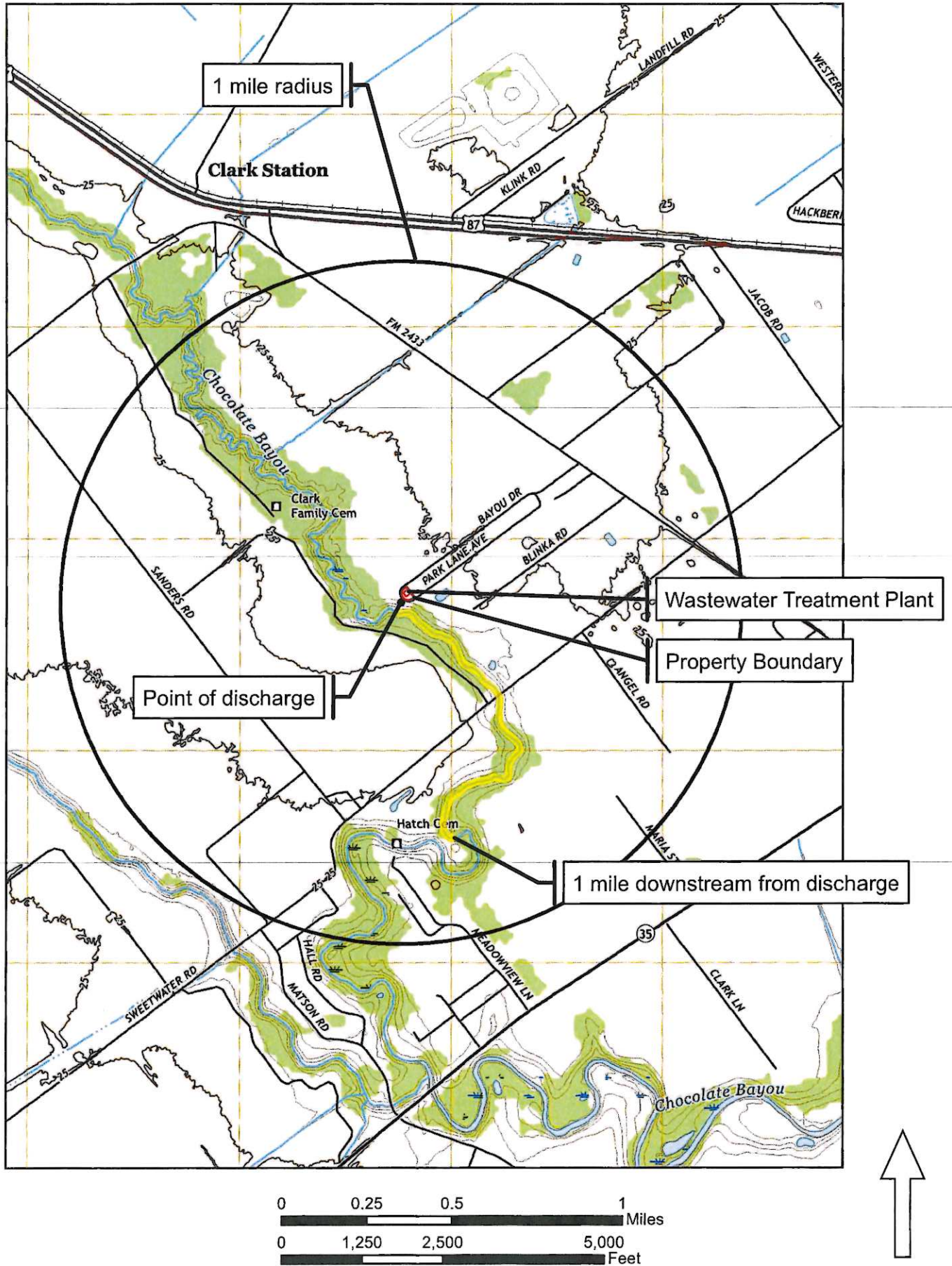
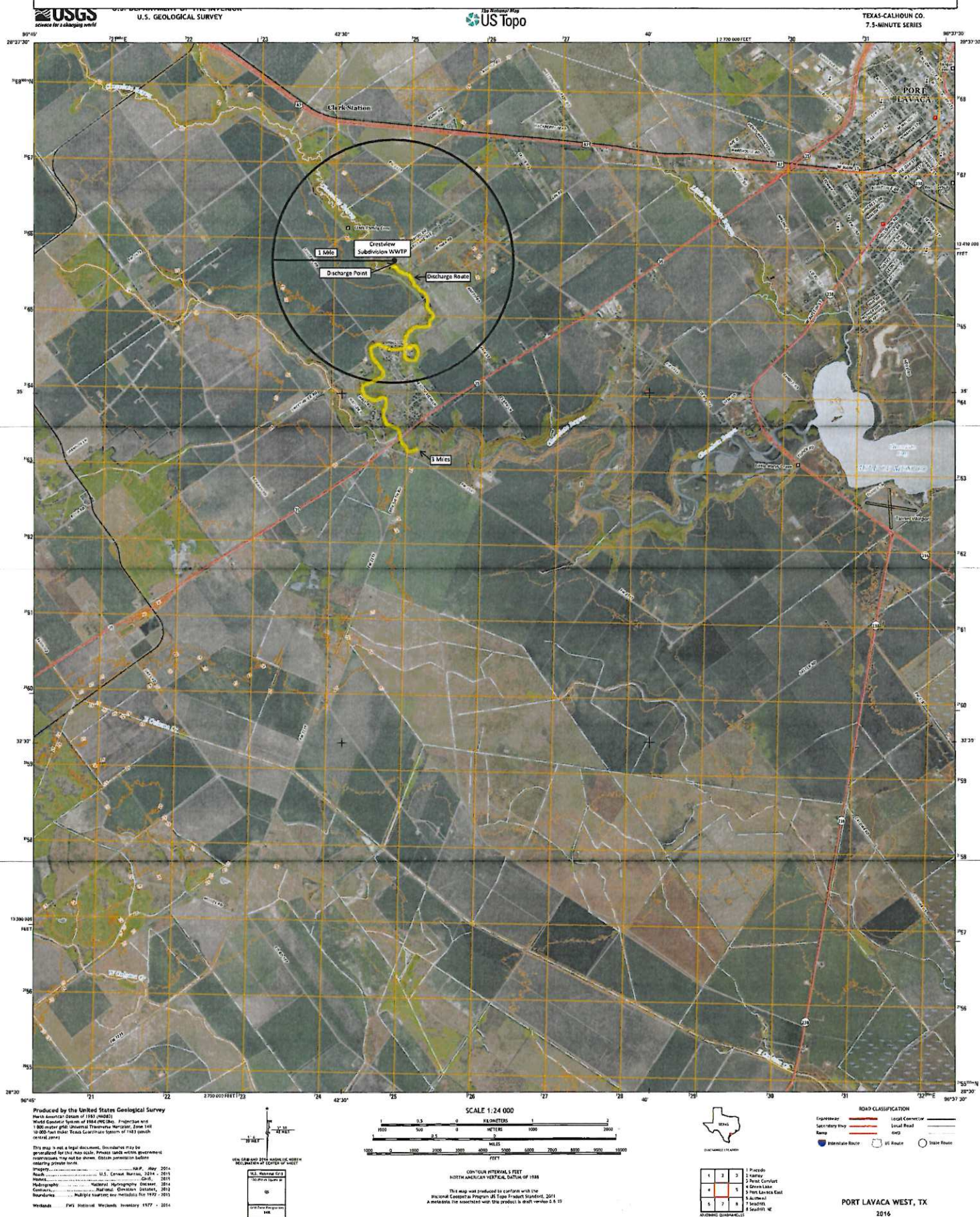
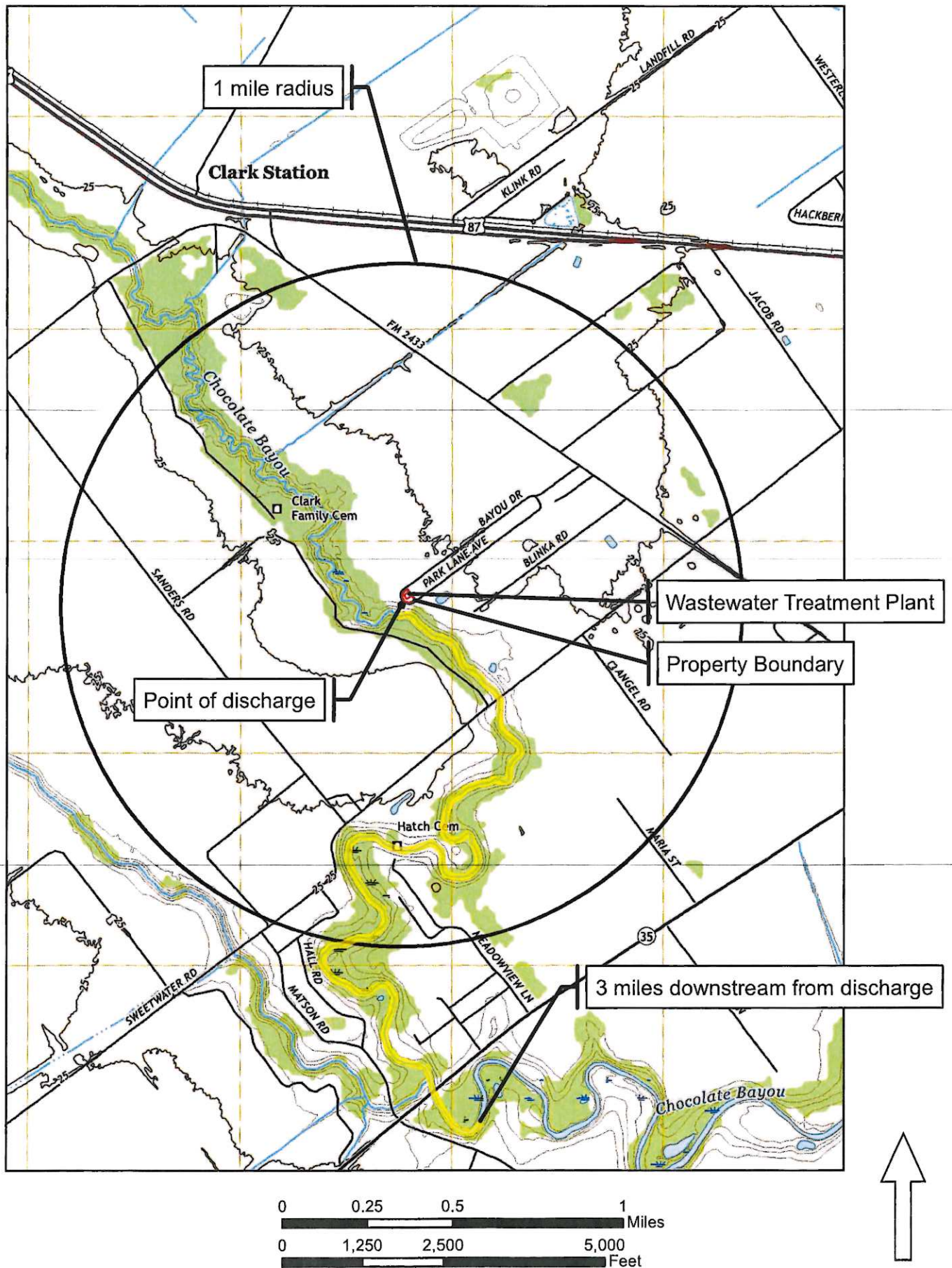


Exhibit A: USGS Topographical Map - Domestic Administrative Report 1.0, Section 13, pg. 11 of 13



Attachment A-4





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): [Click to enter text.](#)

2-Hr Peak Flow (MGD):

Estimated construction start date: [Click to enter text.](#)

Estimated waste disposal start date: [Click to enter text.](#)

B. Interim II Phase

Design Flow (MGD): [Click to enter text.](#)

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

Estimated construction start date: [Click to enter text.](#)

Estimated waste disposal start date: [Click to enter text.](#)

C. Final Phase

Design Flow (MGD): 0.03

2-Hr Peak Flow (MGD): 0.09

Estimated construction start date: [Click to enter text.](#)

Estimated waste disposal start date: [Click to enter text.](#)

D. Current Operating Phase

Provide the startup date of the facility: 2/22/99

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.**

Activated Sludge plant with nitrification. The plant includes a lift station, aeration basin, secondary clarifier, aerobic sludge digester and chlorine contact

B. Treatment Units

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

Table 1.0(1) – Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
Aeration	1	18 x 12 x 10
Clarifier	1	10 x 12 dia
CL2	1	16 x 2.2 x 10
Digester	1	16 x 9.8 x 10

C. Process Flow Diagram

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

Attachment: [Click to enter text.](#)

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

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

- Latitude: [Click to enter text.](#)
- Longitude: [Click to enter text.](#)

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: [Click to enter text.](#)

Provide the name **and** a description of the area served by the treatment facility.

Crestview Subdivision

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Crestview	Undine Texas Environmental, LLC	Privately Owned	90
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☒ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases.**

Click to enter text.

Section 5. Closure Plans (Instructions Page 45)

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

☐ Yes ☒ No

If yes, was a closure plan submitted to the TCEQ?

☐ Yes ☒ No

If yes, provide a brief description of the closure and the date of plan approval.

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 45)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☒ No

If yes, provide the date(s) of approval for each phase: Unknown

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

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

Click to enter text.

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If **No**, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☒ No

If **No**, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

[Click to enter text.](#)

4. Grease and decanted liquid disposal

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

[Click to enter text.](#)

E. Stormwater management

1. Applicability

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. MSGP coverage

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☒ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☒ No

3. Conditional exclusion

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☒ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

Click to enter text.

4. Existing coverage in individual permit

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

Click to enter text.

5. Zero stormwater discharge

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☒ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. Request for coverage in individual permit

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

[Click to enter text.](#)

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

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

[Click to enter text.](#)

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

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

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
CBOD ₅ , mg/l	PENDING				
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					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, μ mohs/cm, †					
Oil & Grease, mg/l					
Alkalinity (CaCO ₃)*, mg/l					

*TPDES permits only

†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

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

Section 8. Facility Operator (Instructions Page 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

Check all that apply. See instructions for guidance

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

B. WWTP's Biosolids Treatment Process

Check all that apply. See instructions for guidance.

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

C. 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): [Click to enter text.](#)

D. Disposal site

Disposal site name: [Click to enter text.](#)

TCEQ permit or registration number: [Click to enter text.](#)

County where disposal site is located: [Click to enter text.](#)

E. Transportation method

Method of transportation (truck, train, pipe, other): [Click to enter text.](#)

Name of the hauler: [Click to enter text.](#)

Hauler registration number: [Click to enter text.](#)

Sludge is transported as a:

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

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 for any of the following sludge processing, storage or disposal options?

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

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

☐ Yes ☒ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

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

A. Location information

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

- Original General Highway (County) Map:
Attachment: [Click to enter text.](#)
- USDA Natural Resources Conservation Service Soil Map:
Attachment: [Click to enter text.](#)
- Federal Emergency Management Map:
Attachment: [Click to enter text.](#)
- Site map:
Attachment: [Click to enter text.](#)

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

- ☐ Overlap a designated 100-year frequency flood plain
- ☐ Soils with flooding classification
- ☐ Overlap an unstable area
- ☐ Wetlands
- ☐ Located less than 60 meters from a fault
- ☐ None of the above

Attachment: [Click to enter text.](#)

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

[Click to enter text.](#)

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

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

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

Arsenic: [Click to enter text.](#)

Cadmium: [Click to enter text.](#)

Chromium: [Click to enter text.](#)

Copper: [Click to enter text.](#)

Lead: [Click to enter text.](#)

Mercury: [Click to enter text.](#)

Molybdenum: [Click to enter text.](#)

Nickel: [Click to enter text.](#)

Selenium: [Click to enter text.](#)

Zinc: [Click to enter text.](#)

Total PCBs: [Click to enter text.](#)

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

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

[Click to enter text.](#)

D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click to enter text.](#)

E. Groundwater monitoring

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

☐ Yes ☐ No

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

Attachment: [Click to enter text.](#)

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 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

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

Click to enter text.

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

Attachment: [Click to enter text.](#)

Section 14. Laboratory Accreditation (Instructions Page 56)

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

- The laboratory is an in-house laboratory and is:
 - periodically inspected by the TCEQ; or
 - located in another state and is accredited or inspected by that state; or
 - performing work for another company with a unit located in the same site; or
 - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

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

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

CERTIFICATION:

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

Printed Name: [Click to enter text.](#)

Title: [Click to enter text.](#)

Signature: _____

Date: _____

DOMESTIC WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 64)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed to Section 2. If **yes**, provide the following:

Owner of the drinking water supply: [Click to enter text.](#)

Distance and direction to the intake: [Click to enter text.](#)

Attach a USGS map that identifies the location of the intake.

Attachment: [Click to enter text.](#)

Section 2. Discharge into Tidally Affected Waters (Instructions Page 64)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. If **yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: [Click to enter text.](#)

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

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

[Click to enter text.](#)

C. Sea grasses

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

☐ Yes ☒ No

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

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 64)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

If **yes**, this Worksheet is complete.

If **no**, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 65)

Name of the immediate receiving waters: Mound Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

- ☐ Stream
- ☐ Freshwater Swamp or Marsh
- ☐ Lake or Pond

Surface area, in acres: Click to enter text.

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

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

- ☒ Man-made Channel or Ditch
- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☐ Other, specify: Click to enter text.

B. Flow characteristics

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

- ☒ Intermittent - dry for at least one week during most years
- ☐ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses
- ☐ Perennial - normally flowing

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

- ☐ USGS flow records
- ☐ Historical observation by adjacent landowners
- ☒ Personal observation
- ☐ Other, specify: Click to enter text.

C. Downstream perennial confluences

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

Chocolate Bayou

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.

Manmade ditch installed 2 miles downstream

E. Normal dry weather characteristics

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

Dry

Date and time of observation: 9/1/24

Was the water body influenced by stormwater runoff during observations?

☐ Yes ☒ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

☐ Oil field activities

☐ Urban runoff

☐ Upstream discharges

☒ Agricultural runoff

☐ Septic tanks

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

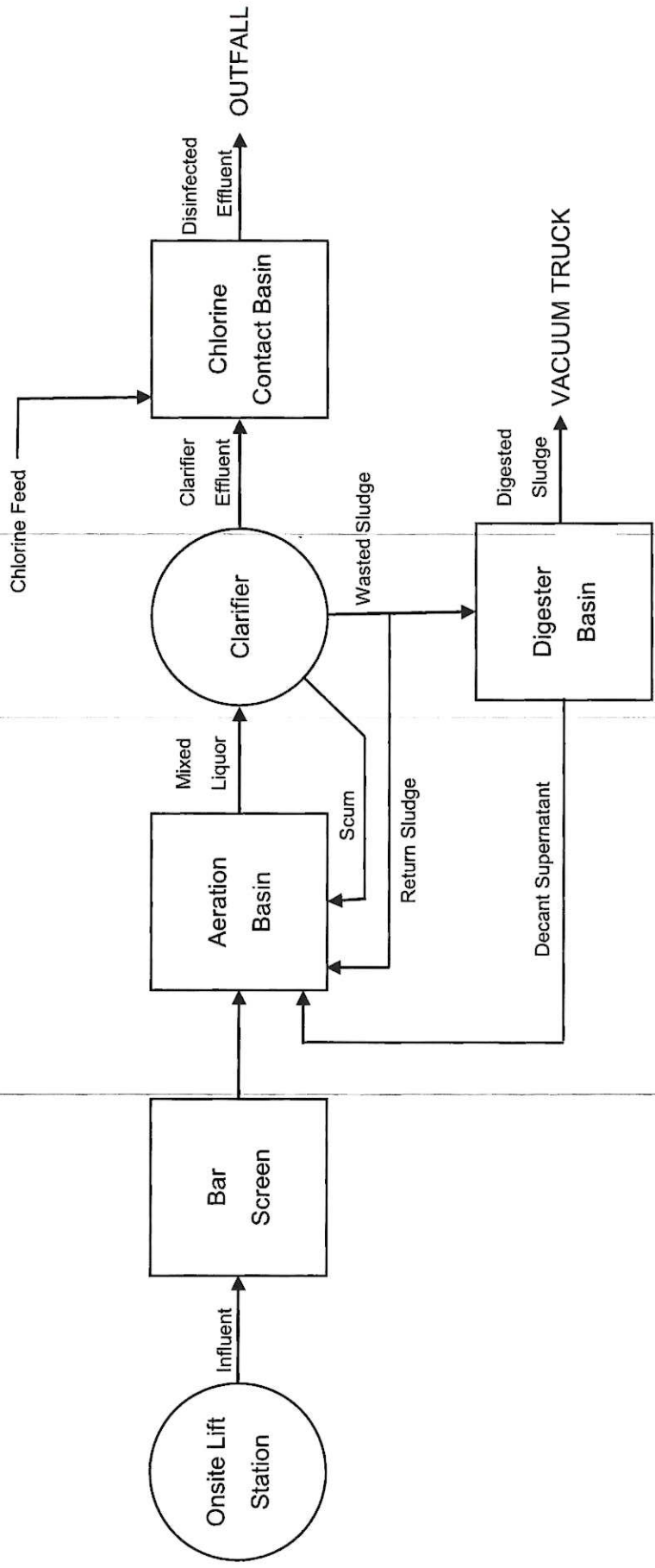
- | | |
|--|--|
| ☐ Livestock watering | ☐ Contact recreation |
| ☐ Irrigation withdrawal | ☐ Non-contact recreation |
| ☐ Fishing | ☐ Navigation |
| ☐ Domestic water supply | ☐ Industrial water supply |
| ☐ Park activities | ☒ Other(s), specify: <u>None</u> |

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☐ Natural Area: trees and/or native vegetation; some development evident (from fields, pastures, dwellings); water clarity discolored
- ☒ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid
- ☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

Attachment T-1

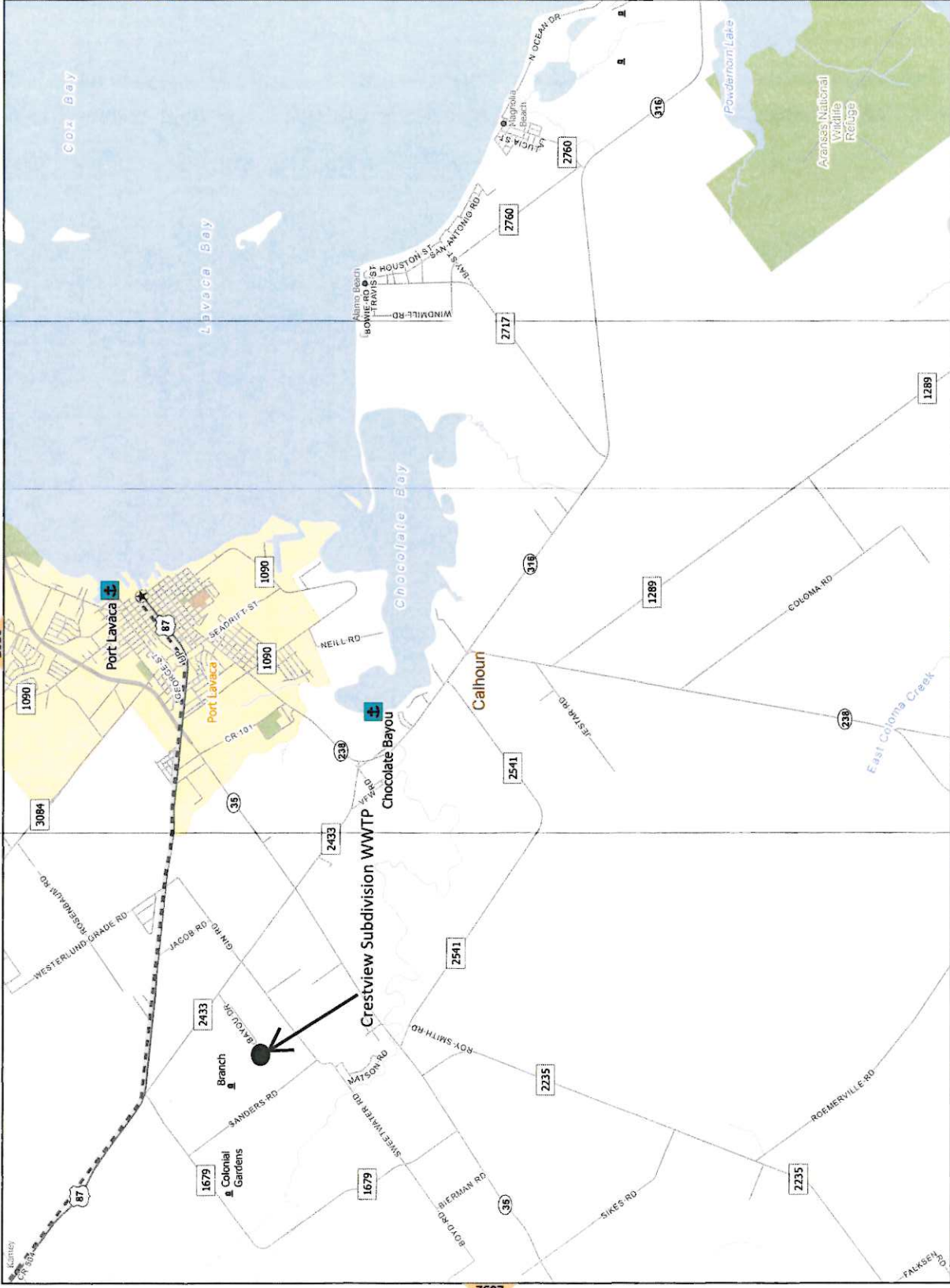


Attachment T-2

Counties: Calhoun

Districts: Yoakum

Page 2053



- Unincorporated Community
- County Seat
- Border Crossing
- Cemetery
- Cemetery (Inside City)
- Deep Draft Port
- Shallow Draft Port
- Railroad
- Dam
- River or Stream
- TXDOT District
- Lakes
- Education
- Military
- Airport Runway
- Airport
- Prison
- Parks and Other Public Land

Scale 1:72,224

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Attachment 6: Site and Service Area Boundary
Domestic Technical Report 1.0, Section 3, pg. 3 of 80



Attachment T-3



CITY OF VICTORIA

Established 1824, Founded By Congress, Republic of Texas, 1839

Department of Public Works

700 Main, Suite 108

May 20, 2019

FILE: 20-081-001-0101

20-081-002-0102

Don Koble
P.O. Box 146
Port Lavaca, Texas 77979

Dear Mr. Koble:

The City of Victoria agrees to accept waste sludge at the Victoria Regional Wastewater Treatment Plant, TCEQ Permit No. WQ0011078001, generated by The Crestview WWTP located in Calhoun County with the following understandings:

- That the quality and quantity of the waste will be approximately the same as in past years and that the waste will meet all pretreatment program requirements as set by The City of Victoria as well as any other applicable regulatory requirements.
- The hauler of the waste must be permitted by The City of Victoria in current standings.
- The price and availability of this service may vary as conditions dictate.

We appreciate the opportunity to provide this service. Please let me know if we can be of any additional assistance.

Sincerely,

David L. Weaver
Plant Manager

Attachment 8: Sludge Acceptance Letter, Domestic Technical Report 1.0, Section 9, A., pg. 12 of 80

VICTORIA ENVIRONMENTAL

A Division of Stanford Vacuum Service, Inc.
6910 U.S. HWY 59 North
Victoria, TX 77905
361-572-8070

Attention: Don Koble

**GBRA of Port Lavaca
Crestview Subdivision
636 Bayou Road
Port Lavaca, TX 77979
Phone: 361-550-5626
Fax: 361-552-6529**

RE: Wastewater Sludge Disposal

Gentlemen:

Please be advised that Stanford Vacuum Service Inc. will be pleased to haul and dispose of the sludge generated at your wastewater treatment facility located in Calhoun County.

Our services will include collection of the waste sludge at your facility, transportation of the sludge to our facility, dewatering of the sludge at our facility and disposal of the sludge at a compost site in strict accordance with TCEQ regulations.

Stanford Vacuum Service, Inc. and Victoria Environmental is licensed by the State of Texas to perform these duties under the following license/certifications:

S.V.S.	Transport License	20766
Victoria Environmental	Type 5 Process Plant	MSW 2330
	Dontol Compost Site	MSW 2318

Thank you for the opportunity to provide these services to your organization.

**Fred Stanford
MBL - 361-571-2861**

VICTORIA ENVIRONMENTAL

**A Division of Stanford Vacuum Service, Inc.
6910 U.S. HWY 59 North
Victoria, TX 77905
361-572-8070**

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**GBRA of Port Lavaca
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	Dontol Compost Site	MSW 2318

Thank you for the opportunity to provide these services to your organization.

**Fred Stanford
MBL - 361-571-2861**

Fred Stanford
6-6-19



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

**PERMIT FOR MUNICIPAL
SOLID WASTE MANAGEMENT SITE**
Issued under provisions of Texas
Health & Safety Code Ann.
Chapter 361 (Vernon)

MSW Permit No. 2330

Site Owner: Mr. Fred Allen Stanford
237 Travis Drive
Victoria, TX 77905

Site Operator: Mr. Fred Allen Stanford
237 Travis Drive
Victoria, TX 77905

Facility Name: Victoria Environmental Processing Facility

Classification of Site: Type V Liquid Processing Facility

Wastes to be Accepted: Septage, Portable Toilet Waste, Grease Trap Waste, Sludge and Leachate

The permittee is authorized to store and process wastes in accordance with the limitations, requirements, and other conditions set forth herein. This permit is granted subject to the rules and Orders of the Commission and laws of the State of Texas. Nothing in this permit exempts the permittee from compliance with other applicable rules and regulations of the Texas Commission on Environmental Quality. This permit will be valid until canceled, amended, or revoked by the Commission, or until the site is abandoned or rendered unusable, whichever occurs first.

APPROVED, ISSUED AND EFFECTIVE in accordance with the Texas Health & Safety Code Chapter 361 and Title 30 Texas Administrative Code (30 TAC) Chapter 330.

ISSUED DATE: **OCT 28 2005**

A handwritten signature in black ink, likely of the official representing the Commission.

For the Commission

P. 395
6/28/04

REPLY FORM

FROM: AQUA-ZYME DISPOSAL SYSTEMS, INC.
P.O. BOX 800 VAN VLECK, TX 77482
MR. JIMMY MASSEY, PRESIDENT

REPLY TO: VICTORIA ENVIRONMENTAL
SLUDGE DEWATERING FACILITY
VICTORIA, TEXAS

DATE: 01-20-04

We can accept 276 cy of domestic sludge cake per week at the following facilities:

100 cy / week @ Don Tol Compost Facility
176 cy / week @ Taft Compost Facility

Comments or Conditions: Don Tol Compost Facility is owned by Aqua-Zyme Services, Inc.

Taft Compost Facility is owned by Texas Sludge Disposal, Inc.

Signed 
Jimmy Massey, President

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Jon Niermann, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



Texas Commission on Environmental Quality

Protecting Texas by Reducing and Preventing Pollution

July 07, 2017

FRED ALLEN STANFORD
VICTORIA ENVIRONMENTAL
237 TRAVIS DR
VICTORIA, TX 77905-3038

Re: **Renewal of Sludge Transportation Registration**
STANFORD VACUUM SERVICE
Registration Number: 20766

CN601089765

RNE101920077

Dear Mr. Stanford:

The Section Manager of the Registration and Reporting Section has issued the enclosed registration in accordance with Title 30 of the Texas Administrative Code (30 TAC) Chapter 312 Subsection (S) 312.147 (b). This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Issuance of this authorization is not an acknowledgment that your operation is in full compliance with state and federal rules and regulations. Failure to comply with all rules and regulations may result in enforcement action and/or the revocation of your registration.

Your registration number is required to appear on all tanks and containers used for the collection and transportation of sewage sludge and similar waste. It should also be used on all correspondence regarding your sludge registration.

A copy of your sludge transporter registration, a copy of your application for registration and copies of all amendments to this registration must be available at all times and at all locations where business is being transacted under this registration, including all motorized vehicles operated under this registration.

If you have any questions or comments, please contact the Sludge Transporter Registration Program at (512) 239-3695.

Sincerely,

A handwritten signature in dark ink, appearing to read "Don Kennedy".

Don Kennedy, Section Manager
Registration and Reporting Section
Permitting and Registration Support Division

DK/wp

Enclosures

CC: TCEQ Region 14, CORPUS CHRISTI



Texas Commission on Environmental Quality

SLUDGE TRANSPORTER

Registration Number: 20766

R. Q. A. Hylleberg

Print Date: July 07, 2017

For the Commission

Vehicle Information

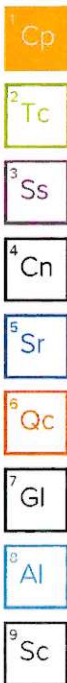
<u>License Plate</u>	<u>Year</u>	<u>Vehicle Make</u>	<u>Sticker Issued</u>	<u>Vehicle Capacity</u>
AL15499	2008	PETERBILT	06/24/2011	4500 GAL
BB85115	2011	PETERBILT	06/24/2011	4700 GAL
BL91404	2012	PETERBILT	03/29/2012	4600 GAL
AS60939	1995	VOLVO	03/29/2012	4000 GAL
CCKH113	1996	GMC	09/24/2014	2000 GAL

*UOM - Units of Measure



ANALYTICAL REPORT

June 15, 2024



Undine LLC

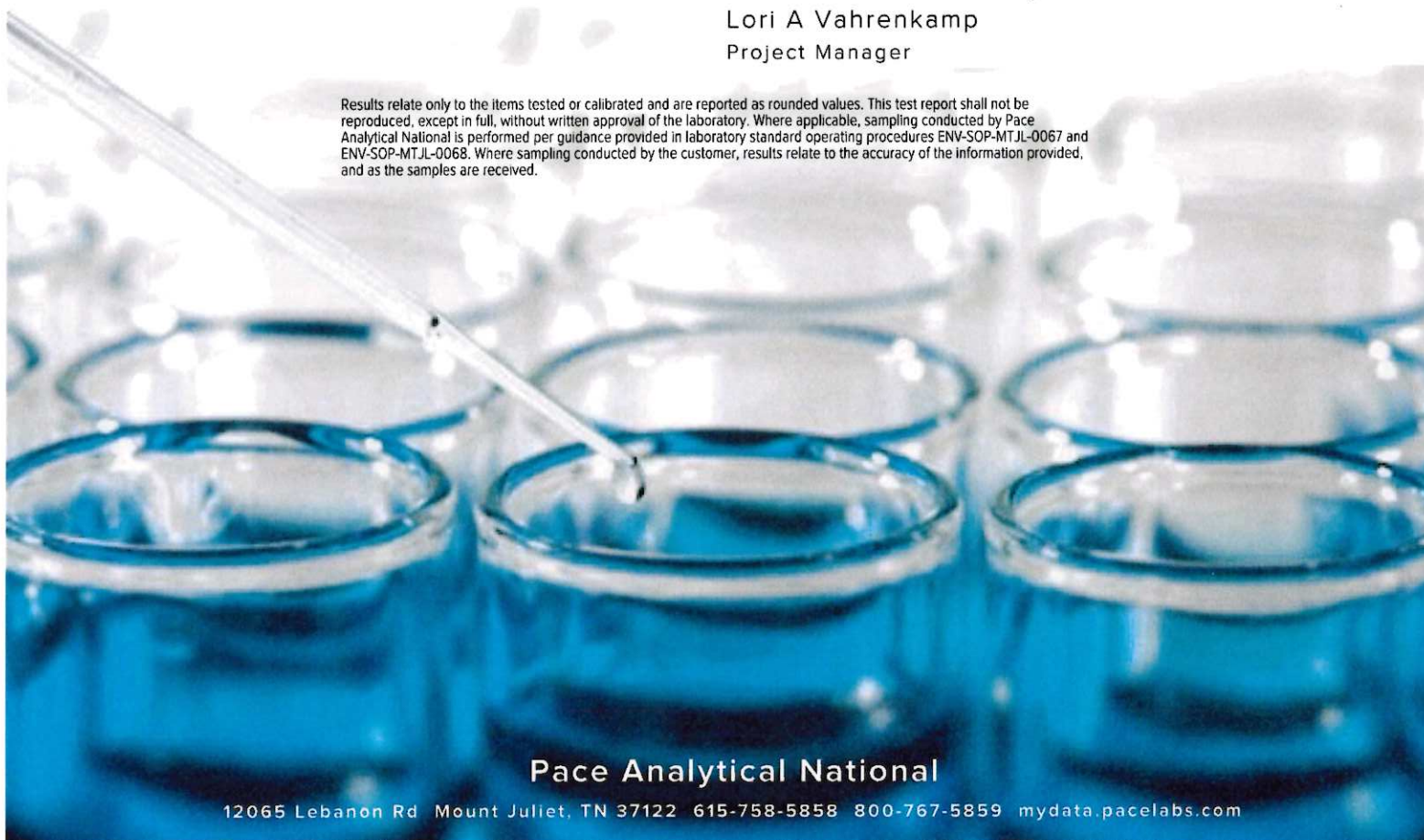
Sample Delivery Group: L1741736
Samples Received: 05/29/2024
Project Number:
Description:

Report To: Keaton Dunn
1064 State Hwy 316
Port Lavaca, TX 77979

Entire Report Reviewed By:

Lori A Vahrenkamp
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 mydata.pacelabs.com

ACCOUNT:
Undine LLC

PROJECT:

SDG:
L1741736

DATE/TIME:
06/15/24 17:47

PAGE:
1 of 22

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Volatile Organic Compounds (GC/MS) by Method 8260	9
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Semi Volatile Organic Compounds (GC/MS) by Method 8270C	13
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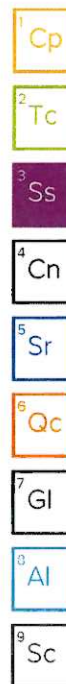
¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY

DIGESTER L1741736-01 Waste

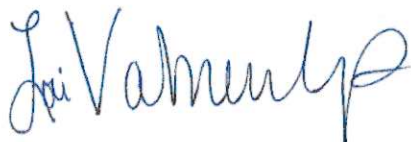
Collected by Michael L. Hunt
 Collected date/time 05/23/24 11:10
 Received date/time 05/29/24 09:10

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG2298137	1	06/04/24 17:05	06/04/24 17:05	AMM	Allen, TX
Preparation by Method 1311	WG2300814	1	06/07/24 18:24	06/07/24 18:24	AMM	Allen, TX
Mercury by Method 7470	WG2303410	1	06/12/24 09:22	06/12/24 14:33	TDM	Allen, TX
Metals (ICP) by Method 6010	WG2299088	1	06/06/24 16:00	06/08/24 09:57	TJG	Allen, TX
Volatile Organic Compounds (GC/MS) by Method 8260	WG2302322	1	06/11/24 00:35	06/11/24 00:35	ZST	Allen, TX
Chlorinated Acid Herbicides (GC) by Method 8151A	WG2299478	1	06/07/24 18:48	06/09/24 22:33	MFM	Mt. Juliet, TN
Pesticides (GC) by Method 8081B	WG2300800	1	06/07/24 18:50	06/08/24 01:48	HMH	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C	WG2301952	10	06/10/24 07:19	06/10/24 18:29	XLY	Allen, TX

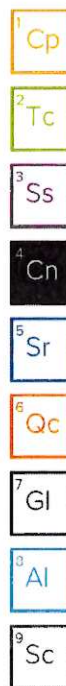


CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.



Lori A Vahrenkamp
Project Manager



DIGESTER

Collected date/time: 05/23/24 11:10

SAMPLE RESULTS - 01

L1741736

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
ALLTCLP Extraction	-		6/4/2024 5:05:00 PM	WG2298137
ALLTCLP ZHE Extraction	-		6/7/2024 6:24:00 PM	WG2300814
Fluid	1		6/4/2024 5:05:00 PM	WG2298137
Initial pH	5.52		6/4/2024 5:05:00 PM	WG2298137
Final pH	4.99		6/4/2024 5:05:00 PM	WG2298137

Mercury by Method 7470

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	<0.000200		0.000200	0.20	1	06/12/2024 14:33	WG2303410

Metals (ICP) by Method 6010

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	<0.100		0.100	5	1	06/08/2024 09:57	WG2299088
Barium	0.230		0.100	100	1	06/08/2024 09:57	WG2299088
Cadmium	<0.100		0.100	1	1	06/08/2024 09:57	WG2299088
Chromium	<0.100		0.100	5	1	06/08/2024 09:57	WG2299088
Lead	<0.100		0.100	5	1	06/08/2024 09:57	WG2299088
Selenium	<0.100		0.100	1	1	06/08/2024 09:57	WG2299088
Silver	<0.100		0.100	5	1	06/08/2024 09:57	WG2299088

Volatile Organic Compounds (GC/MS) by Method 8260

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,1-Dichloroethene	<0.00500		0.00500	0.70	1	06/11/2024 00:35	WG2302322
1,2-Dichloroethane	<0.00500		0.00500	0.50	1	06/11/2024 00:35	WG2302322
1,4-Dichlorobenzene	<0.00200		0.00200	7.50	1	06/11/2024 00:35	WG2302322
Benzene	<0.00200		0.00200	0.50	1	06/11/2024 00:35	WG2302322
Carbon tetrachloride	<0.00200		0.00200	0.50	1	06/11/2024 00:35	WG2302322
Chlorobenzene	<0.00200		0.00200	100	1	06/11/2024 00:35	WG2302322
Chloroform	0.0198		0.00500	6	1	06/11/2024 00:35	WG2302322
Methyl Ethyl Ketone	<0.0250	J4	0.0250	200	1	06/11/2024 00:35	WG2302322
Tetrachloroethene	<0.00500		0.00500	0.70	1	06/11/2024 00:35	WG2302322
Trichloroethene	<0.00200		0.00200	0.50	1	06/11/2024 00:35	WG2302322
Vinyl chloride	<0.00500		0.00500	0.20	1	06/11/2024 00:35	WG2302322
Xylenes, Total	<0.00600		0.00600	600	1	06/11/2024 00:35	WG2302322
(S) 1,2-Dichloroethane-d4	92.3		70.0-130			06/11/2024 00:35	WG2302322
(S) 4-Bromofluorobenzene	101		70.0-130			06/11/2024 00:35	WG2302322
(S) Toluene-d8	99.9		70.0-130			06/11/2024 00:35	WG2302322

Chlorinated Acid Herbicides (GC) by Method 8151A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
2,4,5-TP (Silvex)	<0.00200	T8	0.00200	1	1	06/09/2024 22:33	WG2299478
2,4-D	<0.00200	T8	0.00200	10	1	06/09/2024 22:33	WG2299478
(S) 2,4-Dichlorophenyl Acetic Acid	91.6		14.0-158			06/09/2024 22:33	WG2299478

DIGESTER

SAMPLE RESULTS - 01

Collected date/time: 05/23/24 11:10

L1741736

Pesticides (GC) by Method 8081B

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Chlordane	<0.00500		0.00500	0.03	1	06/08/2024 01:48	WG2300800
Endrin	<0.00500		0.00500	0.02	1	06/08/2024 01:48	WG2300800
Heptachlor	<0.00400		0.00400	0.0080	1	06/08/2024 01:48	WG2300800
Lindane	<0.00500		0.00500	0.40	1	06/08/2024 01:48	WG2300800
Methoxychlor	<0.00500		0.00500	10	1	06/08/2024 01:48	WG2300800
Toxaphene	<0.0100		0.0100	0.50	1	06/08/2024 01:48	WG2300800
(S) Decachlorobiphenyl	80.7		10.0-128			06/08/2024 01:48	WG2300800
(S) Tetrachloro-m-xylene	71.7		10.0-127			06/08/2024 01:48	WG2300800

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
1,4-Dichlorobenzene	<0.0250		0.0250	7.50	10	06/10/2024 18:29	WG2301952
2,4-Dinitrotoluene	<0.0500		0.0500	0.13	10	06/10/2024 18:29	WG2301952
Hexachlorobenzene	<0.0250		0.0250	0.13	10	06/10/2024 18:29	WG2301952
Hexachloro-1,3-butadiene	<0.0250		0.0250	0.50	10	06/10/2024 18:29	WG2301952
Hexachloroethane	<0.0250		0.0250	3	10	06/10/2024 18:29	WG2301952
Nitrobenzene	<0.0250		0.0250	2	10	06/10/2024 18:29	WG2301952
Pyridine	<0.0250		0.0250	5	10	06/10/2024 18:29	WG2301952
3&4-Methyl Phenol	<0.0250		0.0250	400	10	06/10/2024 18:29	WG2301952
2-Methylphenol	<0.0500		0.0500	200	10	06/10/2024 18:29	WG2301952
Pentachlorophenol	<0.0500		0.0500	100	10	06/10/2024 18:29	WG2301952
2,4,5-Trichlorophenol	<0.0250		0.0250	400	10	06/10/2024 18:29	WG2301952
2,4,6-Trichlorophenol	<0.0250		0.0250	2	10	06/10/2024 18:29	WG2301952
(S) 2-Fluorophenol	64.0		10.0-66.0			06/10/2024 18:29	WG2301952
(S) Phenol-d5	59.0	J1	10.0-54.0			06/10/2024 18:29	WG2301952
(S) Nitrobenzene-d5	65.6		15.0-106			06/10/2024 18:29	WG2301952
(S) 2-Fluorobiphenyl	65.4		26.0-102			06/10/2024 18:29	WG2301952
(S) 2,4,6-Tribromophenol	68.2		29.0-132			06/10/2024 18:29	WG2301952
(S) p-Terphenyl-d14	81.0		10.0-120			06/10/2024 18:29	WG2301952

Method Blank (MB)

(MB) R4080726-3 06/12/24 14:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	<0.000167		0.000167	0.000200

Laboratory Control Sample (LCS)

(LCS) R4080726-6 06/12/24 16:29

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.00250	0.00223	89.2	80.0-120	

L1742530-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742530-02 06/12/24 14:25 • (MS) R4080726-4 06/12/24 14:27 • (MSD) R4080726-5 06/12/24 14:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.00250	<0.000200	0.00240	0.00294	96.0	118	1	80.0-120		J3	20.2	20

Method Blank (MB)

(MB) R4077606-1 06/05/24 13:32

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	<0.0200		0.0200	0.100
Barium	0.0149	J	0.00400	0.100
Cadmium	<0.0140		0.0140	0.100
Chromium	<0.0120		0.0120	0.100
Lead	0.0164	J	0.0100	0.100
Selenium	0.0285	J	0.0200	0.100
Silver	0.0140	J	0.00800	0.100

Laboratory Control Sample (LCS)

(LCS) R4077606-2 06/05/24 13:36

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	1.00	1.02	102	80.0-120	
Barium	1.00	0.985	98.5	80.0-120	
Cadmium	1.00	1.00	100	80.0-120	
Chromium	1.00	1.01	101	80.0-120	
Lead	1.00	0.979	97.9	80.0-120	
Selenium	1.00	1.04	104	80.0-120	
Silver	0.500	0.450	90.0	80.0-120	

L1740212-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740212-02 06/05/24 13:40 • (MS) R4077606-3 06/05/24 13:44 • (MSD) R4077606-4 06/05/24 13:48

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	<0.100	10.1	10.2	1	80.0-120			0.197	20
Barium	10.0	0.507	10.9	10.3	1	80.0-120			5.87	20
Cadmium	10.0	<0.100	10.1	10.1	1	80.0-120			0.000	20
Chromium	10.0	<0.100	9.85	9.93	1	80.0-120			0.829	20
Lead	10.0	<0.100	9.89	9.83	1	80.0-120			0.578	20
Selenium	10.0	<0.100	10.4	10.4	1	80.0-120			0.000	20
Silver	5.00	<0.100	4.60	4.62	1	80.0-120			0.433	20

Method Blank (MB)

(MB) R4080073-2 06/10/24 17:43

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,1-Dichloroethene	<0.00109		0.00109	0.00500
1,2-Dichloroethane	<0.00112		0.00112	0.00500
1,4-Dichlorobenzene	<0.000396		0.000396	0.00200
Benzene	<0.000493		0.000493	0.00200
Carbon tetrachloride	<0.00113		0.00113	0.00200
Chlorobenzene	<0.000366		0.000366	0.00200
Chloroform	<0.00123		0.00123	0.00500
Methyl Ethyl Ketone	<0.00491		0.00491	0.0250
Tetrachloroethene	<0.00155		0.00155	0.00500
Trichloroethene	<0.000595		0.000595	0.00200
Vinyl chloride	<0.000932		0.000932	0.00500
Xylenes, Total	<0.00132		0.00132	0.00600
(S) 1,2-Dichloroethane-d4	91.4			70.0-130
(S) 4-Bromofluorobenzene	104			70.0-130
(S) Toluene-d8	99.3			70.0-130

Laboratory Control Sample (LCS)

(LCS) R4080073-1 06/10/24 16:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,1-Dichloroethene	0.0200	0.0176	88.0	58.0-137	
1,2-Dichloroethane	0.0200	0.0174	87.0	80.0-128	
1,4-Dichlorobenzene	0.0200	0.0180	90.0	80.0-129	
Benzene	0.0200	0.0198	99.0	80.0-131	
Carbon tetrachloride	0.0200	0.0197	98.5	70.0-140	
Chlorobenzene	0.0200	0.0188	94.0	75.0-123	
Chloroform	0.0200	0.0194	97.0	72.0-131	
Methyl Ethyl Ketone	0.100	0.134	134	75.0-130	J4
Tetrachloroethene	0.0200	0.0195	97.5	72.0-136	
Trichloroethene	0.0200	0.0195	97.5	70.0-130	
Vinyl chloride	0.0200	0.0183	91.5	70.0-130	
Xylenes, Total	0.0600	0.0564	94.0	78.0-124	
(S) 1,2-Dichloroethane-d4			93.6	70.0-130	
(S) 4-Bromofluorobenzene			96.1	70.0-130	
(S) Toluene-d8			97.4	70.0-130	

WG2302322

Volatile Organic Compounds (GC/MS) by Method 8260

QUALITY CONTROL SUMMARY

L1741736-01

L1744508-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1744508-09 06/10/24 19:20 • (MS) R4080073-3 06/10/24 19:45 • (MSD) R4080073-4 06/10/24 20:09

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,1-Dichloroethene	0.0200	<0.00500	0.0167	0.0207	83.5	104	1	49.0-134		J3	21.4	20
1,2-Dichloroethane	0.0200	<0.00500	0.0138	0.0179	69.0	89.5	1	49.0-134		J3	25.9	20
1,4-Dichlorobenzene	0.0200	<0.00200	0.0139	0.0179	69.5	89.5	1	49.0-134		J3	25.2	20
Benzene	0.0200	<0.00200	0.0163	0.0206	81.5	103	1	49.0-134		J3	23.3	20
Carbon tetrachloride	0.0200	<0.00200	0.0156	0.0207	78.0	104	1	49.0-134		J3	28.1	20
Chlorobenzene	0.0200	<0.00200	0.0150	0.0195	75.0	97.5	1	49.0-134		J3	26.1	20
Chloroform	0.0200	<0.00500	0.0156	0.0201	78.0	101	1	49.0-134		J3	25.2	20
Methyl Ethyl Ketone	0.100	<0.0250	0.0492	0.0648	49.2	64.8	1	49.0-134		J3	27.4	20
Tetrachloroethene	0.0200	<0.00500	0.0157	0.0205	78.5	103	1	49.0-134		J3	26.5	20
Trichloroethene	0.0200	0.0134	0.0302	0.0348	84.0	107	1	49.0-134			14.2	20
Vinyl chloride	0.0200	0.227	0.248	0.247	105	100	1	49.0-134	E	E	0.404	20
Xylenes, Total	0.0600	<0.00600	0.0456	0.0590	76.0	98.3	1	71.0-133		J3	25.6	20
(S) 1,2-Dichloroethane-d4					89.5	88.8		70.0-130				
(S) 4-Bromofluorobenzene					97.6	97.4		70.0-130				
(S) Toluene-d8					98.2	96.2		70.0-130				

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R4079300-1 06/09/24 18:14					
Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l	
2,4,5-TP (Silvex)	<0.000667		0.000667	0.00200	
2,4-D	<0.000667		0.000667	0.00200	
(S) 2,4-Dichlorophenyl Acetic Acid	89.2			14.0-158	

Laboratory Control Sample (LCS)

(LCS) R4079300-2 06/09/24 18:25					
Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
2,4,5-TP (Silvex)	0.0250	0.0207	82.8	50.0-125	
2,4-D	0.0250	0.0271	108	50.0-120	
(S) 2,4-Dichlorophenyl Acetic Acid			96.6	14.0-158	

L1737638-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1737638-01 06/09/24 19:10 • (MS) R4079300-3 06/09/24 19:21 • (MSD) R4079300-4 06/09/24 19:33											
Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD Limits %
2,4,5-TP (Silvex)	0.0250	<0.00200	0.0243	0.0234	97.2	93.6	1	50.0-125		3.77	20
2,4-D	0.0250	<0.00200	0.0271	0.0260	108	104	1	50.0-120		4.14	20
(S) 2,4-Dichlorophenyl Acetic Acid					101	95.0		14.0-158			

WG2300800

Pesticides (GC) by Method 8081B

QUALITY CONTROL SUMMARY

L1741736-01

Method Blank (MB)

(MB) R4079625-1 06/08/24 00:20

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Chlordane	<0.00167	0.00167	0.00167	0.00500
Endrin	<0.00167	0.00167	0.00167	0.00500
Heptachlor	<0.00133	0.00133	0.00133	0.00400
Lindane	<0.00167	0.00167	0.00167	0.00500
Methoxychlor	<0.00167	0.00167	0.00167	0.00500
Toxaphene	<0.00333	0.00333	0.00333	0.0100
(S) Decachlorobiphenyl	72.6			10.0-128
(S) Tetrachloro-m-xylene	65.6			10.0-127

Laboratory Control Sample (LCS)

(LCS) R4079625-2 06/08/24 00:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Endrin	0.0100	0.00994	99.4	57.0-134	
Heptachlor	0.0100	0.00870	87.0	27.0-132	
Lindane	0.0100	0.00923	92.3	55.0-129	
Methoxychlor	0.0100	0.00984	98.4	54.0-155	
(S) Decachlorobiphenyl		74.1		10.0-128	
(S) Tetrachloro-m-xylene		65.8		10.0-127	

L1740710-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1740710-02 06/08/24 00:46 • (MS) R4079625-3 06/08/24 00:55 • (MSD) R4079625-4 06/08/24 01:04

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Endrin	0.0100	<0.00500	0.0101	0.0106	1	10.0-160		4.83	4.83	39
Heptachlor	0.0100	<0.00400	0.00912	0.00928	1	16.0-136		1.74	1.74	40
Lindane	0.0100	<0.00500	0.00959	0.00991	1	14.0-141		3.28	3.28	40
Methoxychlor	0.0100	<0.00500	0.00925	0.0125	1	10.0-160		29.9	29.9	34
(S) Decachlorobiphenyl				52.6		10.0-128				
(S) Tetrachloro-m-xylene				72.4		10.0-127				

Method Blank (MB)

(MB) R4079707-1 06/10/24 15:30

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
1,4-Dichlorobenzene	<0.0180		0.0180	0.0250
2,4-Dinitrotoluene	<0.0270		0.0270	0.0500
Hexachlorobenzene	<0.0100		0.0100	0.0250
Hexachloro-1,3-butadiene	<0.0180		0.0180	0.0250
Hexachloroethane	<0.0190		0.0190	0.0250
Nitrobenzene	<0.0120		0.0120	0.0250
Pyridine	<0.0120		0.0120	0.0250
3&4-Methyl Phenol	<0.00800		0.00800	0.0250
2-Methylphenol	<0.00800		0.00800	0.0500
Pentachlorophenol	<0.0210		0.0210	0.0500
2,4,5-Trichlorophenol	<0.0190		0.0190	0.0250
2,4,6-Trichlorophenol	<0.0180		0.0180	0.0250
(S) 2-fluorophenol	68.6	⚠		10.0-66.0
(S) phenol-d6	64.6	⚠		10.0-54.0
(S) nitrobenzene-d5	84.6			15.0-106
(S) 2-Fluorobiphenyl	81.4			26.0-102
(S) 2,4,6-tribromophenol	81.0			29.0-132
(S) p-Terphenyl-d14	99.6			10.0-120

Laboratory Control Sample (LCS)

(LCS) R4079707-2 06/10/24 16:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
1,4-Dichlorobenzene	0.500	0.302	60.4	35.0-110	
2,4-Dinitrotoluene	0.500	0.453	90.6	59.0-133	
Hexachlorobenzene	0.500	0.407	81.4	61.0-115	
Hexachloro-1,3-butadiene	0.500	0.318	63.6	28.0-110	
Hexachloroethane	0.500	0.307	61.4	26.0-110	
Nitrobenzene	0.500	0.414	82.8	46.0-108	
Pyridine	0.500	0.164	32.8	12.0-110	
3&4-Methyl Phenol	1.00	0.758	75.8	33.0-110	
2-Methylphenol	0.500	0.403	80.6	38.0-110	
Pentachlorophenol	0.500	0.392	78.4	40.0-140	
2,4,5-Trichlorophenol	0.500	0.409	81.8	60.0-118	
2,4,6-Trichlorophenol	0.500	0.395	79.0	60.0-117	
(S) 2-fluorophenol			69.0	10.0-66.0	⚠
(S) phenol-d6			69.2	10.0-54.0	⚠
(S) nitrobenzene-d5			79.0	15.0-106	

WG2301952

Semi Volatile Organic Compounds (GC/MS) by Method 8270C

QUALITY CONTROL SUMMARY

L1741736-01

Laboratory Control Sample (LCS)

(LCS) R4079707-2 06/10/24 16:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
(S) 2-Fluorobiphenyl		70.4	70.4	26.0-102	
(S) 2,4,6-tribromophenol		85.4	85.4	29.0-132	
(S) p-Terphenyl-d14		95.6	95.6	10.0-120	

L1742533-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1742533-04 06/10/24 17:59 • (MS) R4079707-3 06/10/24 17:00 • (MSD) R4079707-4 06/10/24 17:29

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
1,4-Dichlorobenzene	0.500	<0.0250	0.147	0.104	29.4	20.8	10	35.0-110	J6	J6	34.3	40
2,4-Dinitrotoluene	0.500	<0.0500	0.228	0.178	45.6	35.6	10	59.0-133	J6	J6	24.6	40
Hexachlorobenzene	0.500	<0.0250	0.227	0.169	45.4	33.8	10	61.0-115	J6	J6	29.3	40
Hexachloro-1,3-butadiene	0.500	<0.0250	0.164	0.114	32.8	22.8	10	28.0-110	J6	J6	36.0	40
Hexachloroethane	0.500	<0.0250	0.139	0.0938	27.8	18.8	10	26.0-110	J6	J6	38.8	40
Nitrobenzene	0.500	<0.0250	0.184	0.133	36.8	26.6	10	46.0-108	J6	J6	32.2	40
Pyridine	0.500	<0.0250	0.0254	<0.0250	5.08	2.64	10	12.0-110	J6	J3_J6	63.2	40
3&4-Methyl Phenol	1.00	0.0643	0.412	0.305	34.8	24.1	10	33.0-110	J6	J6	29.8	40
2-Methylphenol	0.500	<0.0500	0.198	0.141	39.6	28.2	10	38.0-110	J6	J6	33.6	40
Pentachlorophenol	0.500	<0.0500	0.291	0.282	58.2	56.4	10	40.0-140	J6	J6	3.14	40
2,4,5-Trichlorophenol	0.500	<0.0250	0.208	0.157	41.6	31.4	10	60.0-118	J6	J6	27.9	40
2,4,6-Trichlorophenol	0.500	<0.0250	0.199	0.146	39.8	29.2	10	60.0-117	J6	J6	30.7	40
(S) 2-fluorophenol					33.2	22.6		10.0-66.0				
(S) phenol-d6					36.0	25.8		10.0-54.0				
(S) nitrobenzene-d5					36.8	27.2		15.0-106				
(S) 2-Fluorobiphenyl					39.6	29.2		26.0-102				
(S) 2,4,6-tribromophenol					49.6	45.0		29.0-132				
(S) p-Terphenyl-d14					64.2	62.4		10.0-120				

ACCOUNT:
Undine LLC

PROJECT:

SDG:
L1741736

DATE/TIME:
06/15/24 17:47

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GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

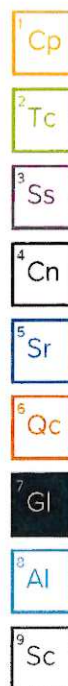
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
T8	Sample(s) received past/too close to holding time expiration.



ACCREDITATIONS & LOCATIONS



Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey--NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio--VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky ^{1 6}	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	AI30792	Tennessee ^{1 4}	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA -- ISO 17025	1461.01	AIHA-LAP, LLC EMLAP	100789
A2LA -- ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA--Crypto	TN00003		

Pace Analytical Services, LLC -Dallas 400 W. Bethany Drive Suite 190 Allen, TX 75013

Arkansas	88-0647	Kansas	E10388
Florida	E871118	Texas	T104704232-23-39
Iowa	408	Oklahoma	8727
Louisiana	30686		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶ Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

[illegible]

CUSTODY SEAL
DATE 5-28-24
SIGNATURE *h h*

RT 426
ST 2
12:00
D
b026
05/29

*5675604 05/29 58334/C45B/9423



EXP 03/25

TX-US
DFW
75013

WED - 29 MAY 10:30A
PRIORITY OVERNIGHT

AD DNA

Fedex
TRK# 7280 7814 6026

DC#_Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt	Effective Date: 12/18/2023
--	----------------------------

Sample Condition Upon Receipt

Client Name: Undine ☐ Dallas ☐ Ft Worth ☐ Corpus Christi ☐ Austin
Project Work order (place label):

Courier: Fedex ☐ UPS ☐ USPS ☐ Client ☐ LSO ☐ PACE ☐ Other:

Tracking #: 7280 4814 10026

Custody Seal on Cooler/Box: Yes ☒ No ☐

Received on Ice: Wet ☒ Blue ☐ No Ice ☐

Receiving Lab 1 Thermometer Used: 1218

Receiving Lab 2 Thermometer Used: 1218

(Cooler Temp °C): 0.1 (Recorded) 78.3 (Correction Factor) 0.7 (Actual)
(Cooler Temp °C): 0.1 (Recorded) 78.3 (Correction Factor) 0.7 (Actual)

Chain of Custody relinquished	Yes ☒ No ☐
Sampler name & signature on COC	Yes ☒ No ☐
Short HT analyses (<72 hrs)	Yes ☐ No ☒

Temperature should be above freezing to 6 °C unless collected same day as receipt in which evidence of cooling is acceptable.

Triage Person: <u>PC</u> Date: <u>5/29</u>	Sufficient Volume received	Yes ☒ No ☐
	Correct Container used	Yes ☒ No ☐
	Container Intact	Yes ☒ No ☐
	Sample pH Acceptable	Yes ☒ No ☐ NA ☒
	pH Strips:	Yes ☒ No ☐ NA ☒
	Residual Chlorine Present	Yes ☒ No ☐ NA ☒
	Cl Strips:	Yes ☒ No ☐ NA ☒
	Sulfide Present	Yes ☒ No ☐ NA ☒
	Lead Acetate Strips:	Yes ☒ No ☐ NA ☒
	Are soil samples (volatiles, TPH) received in 5035A kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☒ No ☐ NA ☒
	Unpreserved 5035A soil frozen within 48 hrs	Yes ☒ No ☐ NA ☒
	Headspace in VOA (>6mm)	Yes ☒ No ☐ NA ☒
	Project sampled in USDA Regulated Area outside of Texas	Yes ☒ No ☐ NA ☒
	State Sampled:	Yes ☐ No ☒
	Non-Conformance(s):	Yes ☐ No ☒

Login Person: JW

Date: 5/29

Labeling Person (if different than log-in):

Date:

CUSTODY SEAL
DATE 5-28-24
SIGNATURE *[Signature]*

RT 426
ST 2
12:00
6026
05:29
D

45575684 05/28 58314/CASB/9HE3



AD DNEA

FedEx
TRK# 7280 7814 6026

EXP 03/25
TX-US
DFW
75013

WED - 29 MAY 10:30A
PRIORITY OVERNIGHT

DC# Title: ENV-FRM-ALLE-0017 v15_Sample Condition Upon Receipt Pace	Effective Date: 12/18/2023
--	----------------------------

Sample Condition Upon Receipt
 Client Name: Undine
 Courier: Fedex ☒ UPS ☐ LSO ☐ PACE ☐ Other:

Tracking #: 7280 4814 10024
 Custody Seal on Cooler/Box: Yes ☒ No ☐
 Received on ice: Wet ☒ Blue ☐ No ice ☐
 Receiving Lab 1 Thermometer Used: 1218
 Receiving Lab 2 Thermometer Used: _____
 Cooler Temp °C: 0.1 (Recorded) 70.3 (Correction Factor) 0.7 (Actual)
 Cooler Temp °C: _____ (Recorded) _____ (Correction Factor) _____ (Actual)

Chain of Custody relinquished	Yes ☒ No ☐
Sampler name & signature on COC	Yes ☒ No ☐
Short HT analyses (<72 hrs)	Yes ☐ No ☒

Temperature should be above freezing to 6 °C unless collected same day as receipt in which evidence of cooling is acceptable

Triage Person: <u>PC</u> Date: <u>5/29</u>	Sufficient Volume received	Yes ☒ No ☐
	Correct Container used	Yes ☒ No ☐
	Container intact	Yes ☒ No ☐
	Sample pH Acceptable	Yes ☒ No ☐ NA ☒
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	Residual Chlorine Present	Yes ☐ No ☐ NA ☒
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	Sulfide Present	Yes ☐ No ☐ NA ☒
	Lead Acetate Strips:	Yes ☐ No ☐ NA ☒
	Are soil samples (volatiles, TPH) received in 5035A kits (not applicable to TCLP VOA or PST Program TPH)	Yes ☐ No ☐ NA ☒
	Unpreserved 5035A soil frozen within 48 hrs	Yes ☐ No ☐ NA ☒
	Headspace in VOA (>6mm)	Yes ☐ No ☐ NA ☒
	Project sampled in USDA Regulated Area outside of Texas	Yes ☐ No ☐ NA ☒
	State Sampled:	Yes ☐ No ☐ NA ☒
	Non-Conformance(s):	Yes ☐ No ☒

Login Person: JW

Date: 5/29

Labeling Person (if different than log-in): _____

Date: _____