Technical 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. Second notice (NAPD-Notice of Preliminary Decision)
   - English
   - Alternative Language (Spanish)
4. Application materials
5. Draft permit
6. Technical summary or fact sheet

Portada de Paquete Técnico

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
   - Inglés
   - Idioma alternativo (español)
4. Materiales de la solicitud
5. Proyecto de permiso
6. Resumen técnico u hoja de datos

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Undine Texas Environmental, LLC (CN605662840) operates The Addie Wastewater Treatment Facility (RN109199893), a activated sludge process plant operated in the complete mix mode. The facility is located at 800 North Capital of Texas Highway, in West lake hills, Travis County, Texas 78746. This application for a new discharge with a final phase of 0.009MGD. This permit will not authorize a discharge of pollutants into water in the state.

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

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

AGUAS RESIDUALES DOMÉSTICAS

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

Undine Texas Environmental, LLC (CN605662840) opera la Planta de Tratamiento de Aguas Residuales de Addie (RN109199893), una planta de procesamiento de lodos activados que opera en el modo de mezcla completa. La instalación está ubicada en 800 North Capital of Texas Highway, en West Lake Hills, Travis County, Texas 78746. Esta solicitud de una nueva descarga con una fase final de 0,009MGD. Este permiso no autorizará la descarga de contaminantes en el agua del estado.

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 serán 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 cámara de contacto con cloro. .

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0015473001

APPLICATION. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Land Application Permit (TLAP) No. WQ0015473001 to authorize the disposal of treated wastewater at a volume not to exceed a daily average flow of 9,000 gallons per day via public access subsurface area drip dispersal system with a minimum area of 90,000 square feet. The domestic wastewater treatment facility and disposal area are located at 800 North Capital of Texas Highway, in the city of West Lake Hills, in Travis County, Texas 78746. TCEQ received this application on November 26, 2024. The permit application will be available for viewing and copying at Milwood Branch, Austin Public Library, 12500 Amherst Drive, Austin, in Travis County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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=-97.827222,30.311944&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications.
El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-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: February 7, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD E
INTENCION DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA
RENOVACION

PERMISO NO. WQ0015473001

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 de Aplicación de Tierras de Texas (TLAP) No. WQ0015473001 autorizar la eliminación de aguas residuales tratadas a un volumen que no exceda un flujo promedio diario de 9,000 galones por día a través del sistema de dispersión por goteo de área subterránea de acceso público con un área mínima de 90,000 pies cuadrados. La instalación de tratamiento de aguas residuales domésticas y el área de eliminación están ubicadas en 800 North Capital of Texas Highway, en la ciudad de West Lake Hills, en el condado de Travis, Texas 78746. TCEQ recibió esta solicitud el 26 de noviembre de 2024. La solicitud de permiso estará disponible para ver y copiar en Milwood Branch, Biblioteca Pública de Austin, 12500 Amherst Drive, Austin, en el condado de Travis, Texas antes de la fecha en que se publique este aviso en el periódico. La solicitud, incluidas las actualizaciones, y los avisos asociados están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como una cortesía pública y no forma parte de la solicitud o aviso. Para conocer la ubicación exacta, consulte la aplicación. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.827222,30.311944&level=18

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

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

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

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

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

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. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las

solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envia por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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

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

Fecha de emission: 7 de febrero de 2025

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR WATER QUALITY LAND APPLICATION PERMIT FOR MUNICIPAL WASTEWATER

RENEWAL

PERMIT NO. WQ0015473001

APPLICATION AND PRELIMINARY DECISION. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0015473001 which authorizes the disposal of treated domestic wastewater at a daily average flow not to exceed 9,000 gallons per day via public access subsurface area drip dispersal system with a minimum area of 90,000 square feet. This permit will not authorize a discharge of pollutants into waters in the State. TCEQ received this application on November 26, 2024.

The wastewater treatment facility and disposal site are located at 800 North Capital of Texas Highway, in Travis County, Texas 78746. The wastewater treatment facility and disposal site are be located in the drainage basin of Lake Austin in Segment No. 1403 of the Colorado River. 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 exact location, refer to application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.827222,30.311944&level=18

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Milwood Branch, Austin Public Library, 12500 Amherst Drive, Austin, in Travis County, Texas. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications.

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices.

PUBLIC COMMENT / PUBLIC MEETING. **You may submit public comments or request a public meeting about this application.**] The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds 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 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 a contested case hearing or reconsideration of the Executive Director's decision**. A contested case hearing is a legal proceeding similar to a civil trial in a 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.**

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

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.

All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at www.tceq.texas.gov/goto/comment **within 30 days from the date of newspaper publication of this notice.**

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. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/goto/comment, 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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. 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: October 27, 2025

COMISIÓN DE CALIDAD AMBIENTAL DE TEXAS

NOTIFICACIÓN DE LA DEMANDA Y DECISIÓN PRELIMINAR PARA EL PERMISO DE SOLICITUD DE TIERRAS DE CALIDAD DEL AGUA PARA AGUAS RESIDUALES MUNICIPALES

RENOVACIÓN

PERMISO Nº WQ0015473001

SOLICITUD Y RESOLUCIÓN PRELIMINAR. Undine Texas Environmental, LLC, 17681 Telge Road, Cypress, Texas 77429, ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) una renovación del Permiso TCEQ No. WQ0015473001 que autoriza la eliminación de aguas residuales domésticas tratadas con un flujo promedio diario que no exceda los 9,000 galones por día a través del sistema de dispersión por goteo de área subterránea de acceso público con un área mínima de 90,000 pies cuadrados. Este permiso no autorizará una descarga de contaminantes en las aguas del estado. La TCEQ recibió esta solicitud el 26 de noviembre de 2024.

La instalación de tratamiento de aguas residuales y el sitio de eliminación están ubicados en 800 North Capital of Texas Highway, en el condado de Travis , Texas 78746. La instalación de tratamiento de aguas residuales y el sitio de eliminación se encuentran en la cuenca de drenaje del lago Austin en el segmento No. 1403 del río Colorado. 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=-97.827222,30.311944&level=18

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si se aprueba, establecería las condiciones bajo las cuales debe operar la instalación. El Director Ejecutivo ha tomado una decisión preliminar de que este permiso, si se emite, cumple con todos los requisitos legales y reglamentarios. La solicitud de permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para ver y copiar en Milwood Branch, Biblioteca Pública de Austin, 12500 Amherst Drive, Austin, en el condado de Travis, Texas. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tlap-applications.

AVISO DE LENGUAJE ALTERNATIVO. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices.

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. **Puede enviar comentarios públicos o solicitar una reunión pública sobre esta solicitud.**] El propósito de una reunión pública es brindar la oportunidad de enviar comentarios o hacer preguntas sobre la solicitud. La TCEQ celebra una reunión pública si el Director Ejecutivo determina que existe un grado significativo de interés público en la solicitud o si lo solicita un legislador local. Una reunión pública no es una audiencia de caso impugnado.

OPORTUNIDAD PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios oportunos y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **A menos que la solicitud se remita directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que enviaron comentarios públicos y a aquellas personas que están en la lista de correo de esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o la reconsideración de la decisión del Director Ejecutivo**. Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, DEBE INCLUIR LOS SIGUIENTES ELEMENTOS EN SU SOLICITUD: su nombre, dirección, número de teléfono; nombre del solicitante y número de permiso propuesto; la ubicación y distancia de su propiedad/actividades en relación con la instalación propuesta; una descripción específica de cómo se vería afectado negativamente por la instalación de una manera que no es común para el público en general; una lista de todas las cuestiones de hecho en disputa que envíe durante el período de comentarios; y la declaración "[Yo/somos] una audiencia de caso impugnado". Si la solicitud de audiencia de caso impugnado se presenta en nombre de un grupo o asociación, la solicitud debe designar al representante del grupo para recibir correspondencia futura; identificar por nombre y dirección física a un miembro individual del grupo que se vería afectado negativamente por la instalación o actividad propuesta; proporcionar la información discutida anteriormente sobre la ubicación del miembro afectado y la distancia de la instalación o actividad; explicar cómo y por qué el miembro se vería afectado; y explicar cómo los intereses que el grupo busca proteger son relevantes para el propósito del grupo.

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

La Comisión solo puede acceder a una solicitud de audiencia de un caso impugnado sobre cuestiones que el solicitante presentó en sus observaciones oportunas y que no fueron retiradas posteriormente. **Si se concede una audiencia, el tema de una audiencia se limitará a cuestiones de hecho en disputa o cuestiones mixtas de hecho y derecho relacionadas con preocupaciones relevantes y materiales sobre la calidad del agua presentadas durante el período de comentarios. La TCEQ puede actuar sobre una solicitud para renovar un permiso de descarga de aguas residuales sin brindar la oportunidad de una audiencia de caso impugnado si se cumplen ciertos criterios.**

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir la aprobación final de la solicitud a menos que se presente una solicitud de audiencia de caso impugnado oportuna o una solicitud de reconsideración. Si se presenta una solicitud de audiencia oportuna o una solicitud de reconsideración, el Director Ejecutivo no emitirá la aprobación final del permiso y enviará la solicitud y la solicitud a los Comisionados de la TCEQ para su consideración en una reunión programada de la Comisión.

LISTA DE CORREO. Si envía comentarios públicos, una solicitud para una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se lo agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por correo por la Oficina del Secretario Principal. Además, puede solicitar ser incluido en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo de un condado específico. Si desea ser incluido en la lista de correo permanente y / o del condado, especifique claramente qué lista (s) y envíe su solicitud a la Oficina del Secretario Principal de la TCEQ a la dirección a continuación.

Todos los comentarios públicos por escrito y las solicitudes de reuniones públicas deben enviarse a la Oficina del Secretario Principal, MC 105, Comisión de Calidad Ambiental de Texas, PO Box 13087, Austin, TX 78711-3087 o electrónicamente a www.tceq.texas.gov/goto/comment **dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.**

INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de datos integrada de los comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios públicos y las solicitudes deben enviarse electrónicamente a www.tceq.texas.gov/goto/comment o por escrito a la Comisión de Calidad Ambiental de Texas, Oficina del Secretario Principal, MC 105, PO Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; Esto incluye direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener más información de Undine Texas Environmental, LLC en la dirección indicada anteriormente o llamando al Sr. Jeff Goebel, Desarrollo de Negocios, al 713-724-9321.

Fecha de emisión: el 27 de octubre de 2025.

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 15473001

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: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

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 **15473001**

EPA I.D. (TPDES only): TX 0088366

Expiration Date: 12/1/2024

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

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

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

Undine Texas Environmental, LLC

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

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

CN: 604519330

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

Prefix: Mr

Last Name, First Name: Tillman, Vance

Title: CFO

Credential: Click to enter text.

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

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

Click to enter text.

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

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: 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: **Milwood Branch, Austin Public Library**

Location within the building: Click to enter text.

Physical Address of Building: **12500 Amherst Drive**

City: **Austin** County: **Travis**

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

Phone No.: 512-974-9880 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** 109199893

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):

Angle Acres Subdivision

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: See Attached

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): Angleton

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

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.

☐ 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: **WQ0015473001**

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:_____Date:_____

(Use blue ink)

Subscribed and Sworn to before me by the said_____

on this_____day of_____, 20_____.

My commission expires on the_____day of_____, 20_____.

_____

Notary Public *[SEAL]*

_____

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☐ The applicant's property boundaries
- ☐ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☐ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. Indicate by a check mark in which format the landowners list is submitted:

☐ USB Drive ☐ Four sets of labels

D. Provide the source of the landowners' names and mailing addresses: Click to enter text.

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☐ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

- ☐ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

- ☐ Ownership
- ☐ Restrictive easement
- ☐ Nuisance odor control
- ☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☐ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: Click to enter text.

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

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

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

   Name of Project or Site: Click to enter text.

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

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

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

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

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

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

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

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

E-mail Address: Click to enter text.

CN: Click to enter text.

For Commission Use Only:
Customer Number:
Regulated Entity Number:
Permit Number:

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) ☐ Yes
(Required for all application types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☐ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☐ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☐ Yes
(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☐ N/A ☐ Yes

Landowners Map ☐ N/A ☐ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Cross Reference List ☐ N/A ☐ Yes
(See instructions for landowner requirements)

Landowners Labels or USB Drive attached ☐ N/A ☐ Yes
(See instructions for landowner requirements)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☐ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Plain Language Summary ☐ Yes

Candice Calhoun

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Monday, December 16, 2024 3:01 PM
To: Candice Calhoun
Subject: RE: Application to Renew Permit No. WQ0015473001 - Undine Texas Environmental, LLC - Notice of Deficiency
Attachments: scanner_20241216_155846.pdf

Candice Calhoun-Courville

1. A paper Copy was sent via mail, however this response will be followed by a paper copy as well
2. A copy of the check will be emailed to you on 12/17
3. Please see revised pages 3,6,7,9
4. Please see CDF
5. Please see attached
6. Please finish the NORI and a PLS will be provided
7. Technical Report will be provided by 12/20
8. Technical Report will be provided by 12/20
9. Please correct NORI with the info provided and resend to me via email
10. Please correct NORI with the info provided and resend to me via email

I will be out of the office until 12/18.

Thank you

Jeff Goebel

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Monday, December 2, 2024 11:16 AM
To: Jeff Goebel <jgoebel@undinellc.com>
Subject: Application to Renew Permit No. WQ0015473001 - Undine Texas Environmental, LLC - Notice of Deficiency
Importance: High

Good morning, Mr. Goebel,

The attached Notice of Deficiency (NOD) letter dated **December 2, 2024,** requests additional information needed to declare the application administratively complete. Please send complete response, via email, to my attention, by **December 16, 2024.**

Please let me know if you have any questions.

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 **15473001**

EPA I.D. (TPDES only): TX 0088366

Expiration Date: 12/1/2024

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

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

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

Undine Texas Environmental, LLC

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

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

CN: 604519330

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

Prefix: Mr

Last Name, First Name: Tillman, Vance

Title: CFO

Credential: Click to enter text.

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

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

Click to enter text.

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

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: **Milwood Branch, Austin Public Library**

Location within the building: Click to enter text.

Physical Address of Building: **12500 Amherst Drive**

City: **Austin** County: **Travis**

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

Phone No.: 512-974-9880 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** 109199893

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):

The Addie WWTP

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.

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: Ausitn

C. County in which the disposal site is located: Travis

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

Fron the plant to effluent storage tanks thence to subsurface drip irrigation

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Bee Creek

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.

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: **WQ0015473001**

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: Vance Tillman Date: 12/16/24

(Use blue ink)

Subscribed and Sworn to before me by the said Ameteria Cross

on this 16th day of December, 20 24.

My commission expires on the 25th day of July, 20 28.

Ameteria Cross

Notary Public

Harris

County, Texas

AMETERIA LYVETTE CROSS NOTARY PUBLIC STATE OF TEXAS ID 135008916 EXP. 07-25-2028 SEAL

TCEQ Core Data Form

TCEQ Use Only

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

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 **Wastewater Permit Transfer**

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 605662840		RN 109199893

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy) 5/5/2021

☐ 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)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*

Undine Texas Environmental, LLC

If new Customer, enter previous Customer below:

VTC Addie, LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
801768069	N/A	46-316881	N/A

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☐ State ☐ Other ☐ Sole Proprietorship ☒ Other: LLC

12. Number of Employees ☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated? ☐ 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

☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address: 17681 Telge Road

City	Cypress	State	TX	ZIP	77429	ZIP + 4	

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
	cthomas@undinellc.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(713) 574-5953		(713) 647-0277

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)*

☐ 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 Agency 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.)*

The Addie Wastewater Treatment Facility

23. Street Address of the Regulated Entity: *(No PO Boxes)*	800 Capital of Texas Highway							
	City	City Of West Lake Hills	State	TX	ZIP	78746	ZIP + 4	
24. County	Travis							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:					
26. Nearest City			State	Nearest ZIP Code	
City of West Lake Hills			TX	78746	
27. Latitude (N) In Decimal:	30°18'44.12"N		28. Longitude (W) In Decimal:	97°49'42.68"W	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4952			

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

Wastewater Utilities

34. Mailing Address:	17681 Telge Road							
	City	Cypress	State	TX	ZIP	77429	ZIP + 4	
35. E-Mail Address:	cthomas@undinellc.com							

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(713) 574-5953		(713) 647-277

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	☒ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

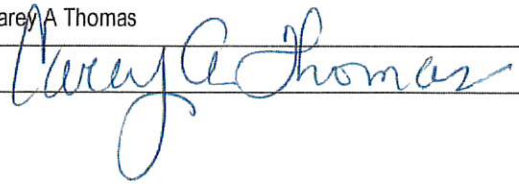
40. Name:	Jeff Goebel	41. Title:	Mgr. Business Development

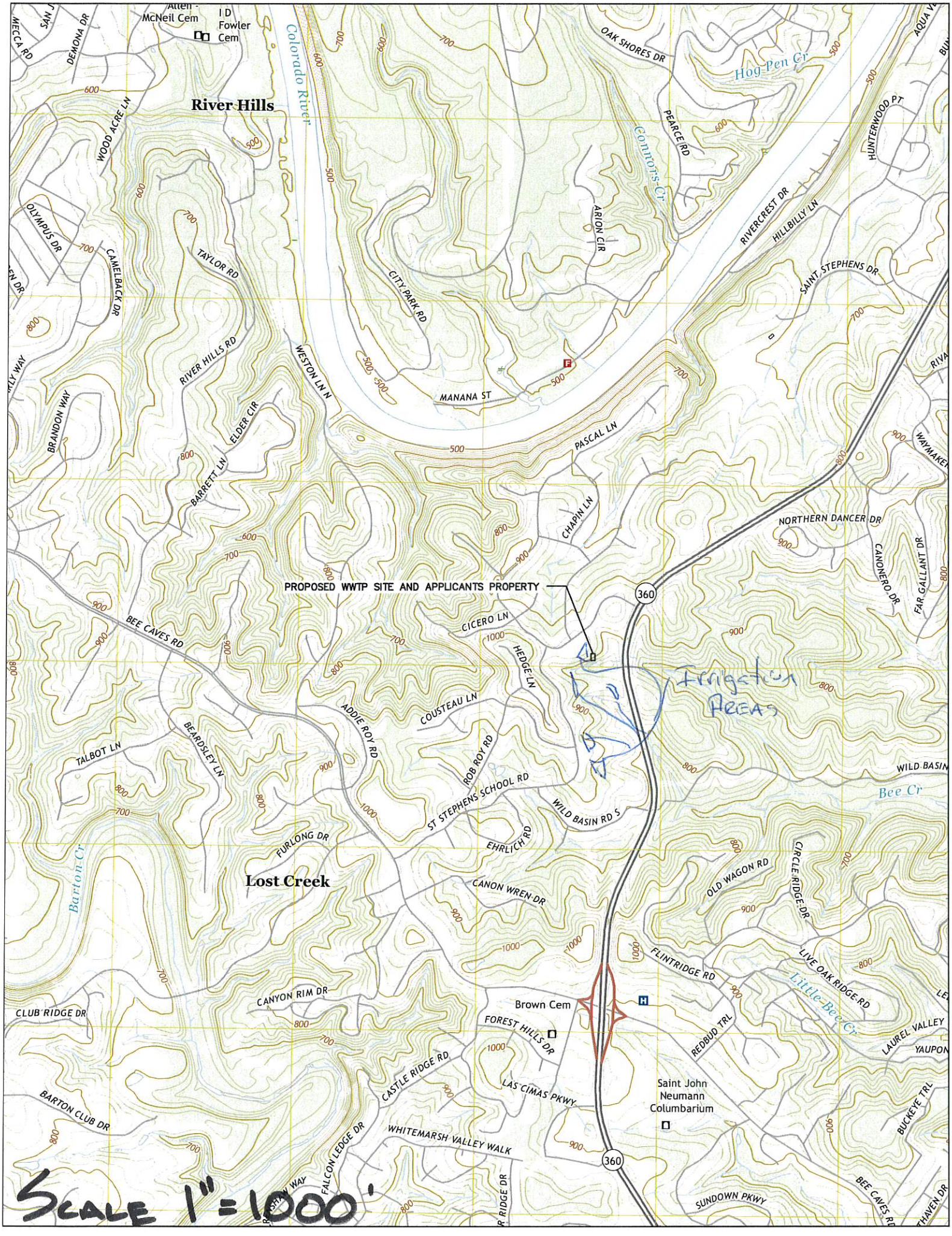
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 574-5953		(713) 647-0277	jgoebel@undinellc.com

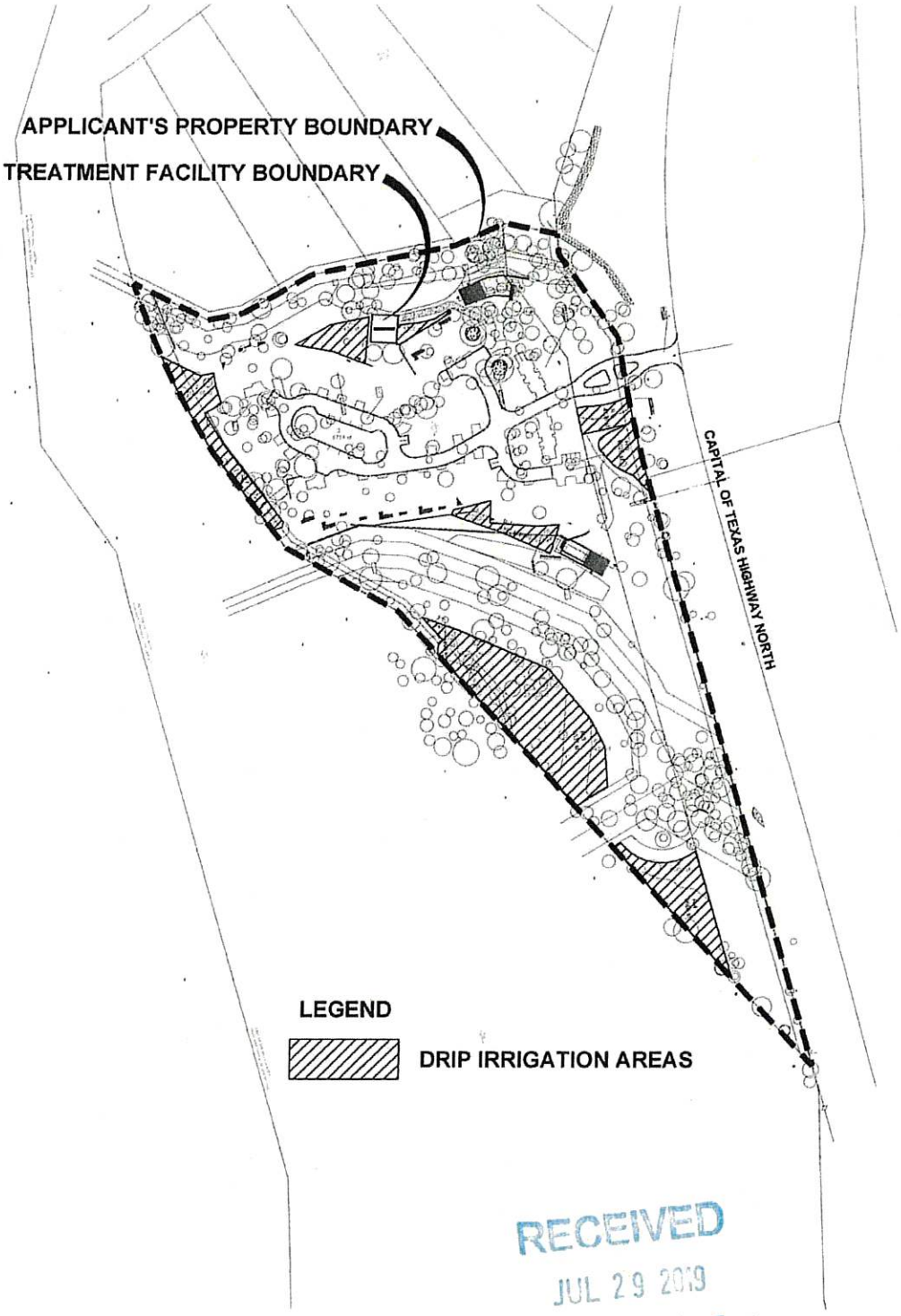
SECTION V: Authorized Signature

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 Texas Environmental, LLC	Job Title:	Sr. Vice President

Name *(In Print):*	Carey A Thomas	**Phone:**	(713) 574- 5953
Signature:		**Date:**	6/30/21


PROPOSED WWTP SITE AND APPLICANTS PROPERTY
Irrigation Areas
River Hills
Lost Creek
Colorado River
Hog Pen Cr
Connors Cr
Bee Cr
Little Bee Cr
Barton Cr
Brown Cem
Saint John Neumann Columbarium
Allen - McNeil Cem
I D Fowler Cem
OAK SHORES DR
PEARCE RD
HUNTERWOOD PT
RIVERCREST DR
HILLBILLY LN
SAINT STEPHENS DR
ARION CIR
CITY PARK RD
MANANA ST
PASCAL LN
WESTON LN N
RIVER HILLS RD
TAYLOR RD
WOOD ACRE LN
OLYMPUS DR
CAMELBACK DR
BRANDON WAY
ELDER CIR
BARRETT LN
CHAPIN LN
NORTHERN DANCER DR
CANONERO DR
FAR GALLANT DR
WAYMAKER
BEE CAVES RD
CICERO LN
HEDGE LN
COUSTEAU LN
ADDIE ROY RD
ROB ROY RD
TALBOT LN
BEARDSLEY LN
ST STEPHENS SCHOOL RD
WILD BASIN RD S
WILD BASIN
FURLONG DR
EHRLICH RD
CANON WREN DR
OLD WAGON RD
CIRCLE RIDGE DR
FLINTRIDGE RD
LIVE OAK RIDGE RD
CANYON RIM DR
CLUB RIDGE DR
FOREST HILLS DR
REDBUD TRL
LAUREL VALLEY
YAUPON
CASTLE RIDGE RD
LAS CIMAS PKWY
BUCKEYE TRL
BARTON CLUB DR
FALCON LEDGE DR
WHITEMARSH VALLEY WALK
SUNDOWN PKWY
BEE CAVES RD
360
SCALE 1" = 1000'



wwdengineering
engineered wastewater solutions
F-12009

9217 Hwy 290 W., Ste 110
Austin, Texas 78736
(512) 288-2111

ATTACHMENT-3
EFFLUENT PIPE ROUTING MAP
THE ADDIE
AUSTIN, TEXAS

Erwin Madrid

From: Erwin Madrid
Sent: Thursday, December 19, 2024 2:09 PM
To: 'texaswater@sbcglobal.net'
Cc: 'Jeff Goebel'; Candice Calhoun
Subject: Application for Permit No. WQ0015473001 – Notice of Deficiency 30-Day Will Return Letter
Attachments: WQ0015473001_Will Return Ltr.pdf

Importance: High

Dear applicant,

The attached Notice of Deficiency 30-Day Will Return Letter was mailed on **December 20, 2024,** requesting additional information needed to declare the application administratively complete. Please mail an original and two copies (with a cover letter) of the complete response by **January 19, 2025.**

Regards,

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

Candice Calhoun

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Tuesday, January 28, 2025 10:51 AM
To: Candice Calhoun
Cc: Erwin Madrid
Subject: RE: Follow-up WQ0015473001
Attachments: USGS Map.pdf

Here is the USGS map. Let me know if you need anything else.

Thank you

Jeff Goebel

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, January 28, 2025 7:28 AM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: RE: Follow-up WQ0015473001
Importance: High

Good morning,

Thank you for your response. Please see my comments below.

1. Site name – Thank you, I have updated our database to change the site name from "Indian Hill Harbor WWTF" to "The Addie".

2. The USGS Map – the map provided did not include the one-mile radius, applicant's property boundary, treatment facility boundaries, or the effluent disposal site(s). Please provide a USGS map with all the required information.

3. English and Spanish PLS – thank you, these are sufficient.

4. Technical Report and Worksheet 3.0 – Thank you, these are sufficient.

5. Spanish NORI – thank you, this is sufficient.

6. Original Paper Application – We are still waiting on this.

Candice Calhoun

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Tuesday, January 28, 2025 10:19 AM
To: Candice Calhoun
Cc: Erwin Madrid
Subject: RE: Follow-up WQ0015473001
Attachments: Screenshot_27-1-2025_164714_www.fedex.com.jpeg; Screenshot_27-1-2025_165216_www.fedex.com.jpeg

Im working on the USGS map, should have shortly

Both the check and the paper copy of the application were delivered this morning at 9:44 via Fedex

---

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, January 28, 2025 7:28 AM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: RE: Follow-up WQ0015473001
Importance: High

Good morning,

Thank you for your response. Please see my comments below.

1. Site name – Thank you, I have updated our database to change the site name from "Indian Hill Harbor WWTF" to "The Addie".

2. The USGS Map – the map provided did not include the one-mile radius, applicant's property boundary, treatment facility boundaries, or the effluent disposal site(s). Please provide a USGS map with all the required information.

3. English and Spanish PLS – thank you, these are sufficient.

4. Technical Report and Worksheet 3.0 – Thank you, these are sufficient.

5. Spanish NORI – thank you, this is sufficient.

6. Original Paper Application – We are still waiting on this.

7. Application Fee – We are still waiting on this.

Regards,

Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

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From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Monday, January 27, 2025 4:44 PM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: RE: Follow-up WQ0015473001

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Friday, January 24, 2025 1:35 PM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: RE: Follow-up WQ0015473001

Good afternoon,

I just wanted to add to Erwins email below. Along with the original paper copy and the fee, the items below are also still needed:

1. Updated Section 9 of the administrative report to correct the site name. Per a previous email, you were not wanting to update the site name, so an updated section to show "Indian Hill Harbor WWTF" is needed.

Site Name is 'The Addie'

2. Updated USGS map to include the one-mile radius as well as to remove the word "proposed" for the applicant and site boundaries.

Please see revised map with correct scale showing 1 mile radius

3. English and Spanish Plain Language Summaries

Attached

4. Technical report and worksheet 3.0

Attached

5. Spanish NORI

Attached

Regards,

Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

---

From: Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Sent: Friday, January 24, 2025 1:29 PM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>; Erwin Madrid <Erwin.Madrid@tceq.texas.gov>
Subject: Follow-up WQ0015473001
Importance: High

Hi Jeff,

Per our meeting last week, one of the applications still needing to be settled is WQ0015473001, specifically the items below:

1. Our records indicate that an original paper copy of the application was not received. The original paper copy and e-copy of the application are both required. Please submit the original paper copy of the application by:
   By regular U.S. mail:

   Texas Commission on Environmental Quality
   Financial Administration Division
   Cashier's Office, MC-214

APPLICATION FOR RENEWAL OF A DOMESTIC WASTEWATER DISCHARGE PERMIT

×

Permit No.: WQ0015473001

~~XXXX~~ *Wastewater Treatment Facility*

Submitted to:

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

Submitted by:

Undine Texas Environmental, LLC
17681 Telge Rd
Cypress Texas 77429

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Undine Texas Environmental, LLC

PERMIT NUMBER (If new, leave blank): WQ00 15473001

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: Click to enter text.

Check/Money Order Amount: Click to enter text.

Name Printed on Check: Click to enter text.

EPAY — Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

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 **15473001**

EPA I.D. (TPDES only): TX 0088366

Expiration Date: 12/1/2024

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

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

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

Undine Texas Environmental, LLC

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

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

CN: 604519330

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

Prefix: Mr | Last Name, First Name: Tillman, Vance

Title: CFO | Credential: Click to enter text.

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

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

Click to enter text.

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

If the co-applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at: 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: **Milwood Branch, Austin Public Library**

Location within the building: Click to enter text.

Physical Address of Building: **12500 Amherst Drive**

City: **Austin** County: **Travis**

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

Phone No.: 512-974-9880 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 109199893**

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):

The Addie WWTP

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: See Attached

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): Angleton

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

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: Ausitn

C. County in which the disposal site is located: Travis

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

Fron the plant to effluent storage tanks thence to subsurface drip irrigation

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Bee Creek

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.

☐ 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: **WQ0015473001**

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: _____ Date: 12/16/24

(Use blue ink)

Subscribed and Sworn to before me by the said Ameteria Cross

on this 16th day of December, 2024.

My commission expires on the 25th day of July, 2028.

Ameteria Cross

Notary Public

Harris

County, Texas

AMETERIA LYVETTE CROSS NOTARY PUBLIC STATE OF TEXAS ID 136008916 EXP. 07-25-2028

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

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

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Waste Permit No:** Click to enter text. WQ0015473-001

1. Check or Money Order Number: Click to enter text. 7001
2. Check or Money Order Amount: Click to enter text. 315
3. Date of Check or Money Order: Click to enter text. 12/17/24
4. Name on Check or Money Order: Click to enter text. Undine Development, LLC
5. APPLICATION INFORMATION
   Name of Project or Site: Click to enter text. Addie
   Physical Address of Project or Site: Click to enter text.
   If the check is for more than one application, attach a list which includes the name of each Physical Address, exactly as provided on the application.

UNDINE DEVELOPMENT, LLC
17681 TELGE RD
CYPRESS, TX 77429

PLAINSCAPITAL BANK
www.plainscapital.com

7001

88-2299/1113
15001

CHECK ARMOR FRAUD PROTECTION

PAY TO THE ORDER OF Texas Commission on Environmental Quality 12/17/2024

THREE HUNDRED FIFTEEN AND XX/100********** $ ****315.00 DOLLARS

Texas Commission on Environmental Quality
Cashier's Office, MC-214
PO Box 13088
Austin, TX 78711-3088

MEMO Indian Hill Harbor WWTP-Permit renewal fee for 2025 - 5 yr

AUTHORIZED SIGNATURE

Photo Safe Deposit®

Details on Back

⑈007001⑈ ⑆111322994⑆ 78740215 00⑈

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission *(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 **Wastewater Permit Transfer**

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 605662840		RN 109199893

SECTION II: Customer Information

4. General Customer Information	5. Effective Date for Customer Information Updates (mm/dd/yyyy)	5/5/2021

☐ 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)

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).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
Undine Texas Environmental, LLC	VTC Addie, LLC

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(If applicable)*
801768069	N/A	46-316881	N/A

11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ 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

☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address:	17681 Telge Road							
	City	Cypress	State	TX	ZIP	77429	ZIP + 4	

16. Country Mailing Information *(If outside USA)*	17. E-Mail Address *(If applicable)*
	cthomas@undinellc.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(If applicable)*
(713) 574-5953		(713) 647-0277

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected below this form should be accompanied by a permit application)*

☐ 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 Agency 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.)*

The Addie Wastewater Treatment Facility

23. Street Address of the Regulated Entity: *(No PO Boxes)*	800 Capital of Texas Highway							
	City	City Of West Lake Hills	State	TX	ZIP	78746	ZIP + 4	
24. County	Travis							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:					
26. Nearest City			State	Nearest ZIP Code	
City of West Lake Hills			TX	78746	
27. Latitude (N) In Decimal:	30°18'44.12"N		28. Longitude (W) In Decimal:	97°49'42.68"W	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)	31. Primary NAICS Code (5 or 6 digits)	32. Secondary NAICS Code (5 or 6 digits)
4952			

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

Wastewater Utilities

34. Mailing Address:	17681 Telge Road							
	City	Cypress	State	TX	ZIP	77429	ZIP + 4	

35. E-Mail Address:	cthomas@undinellc.com	
36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(713) 574-5953		(713) 647-277

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	☒ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

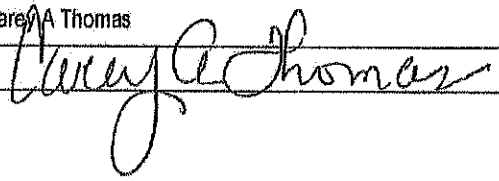
40. Name:	Jeff Goebel	41. Title:	Mgr. Business Development

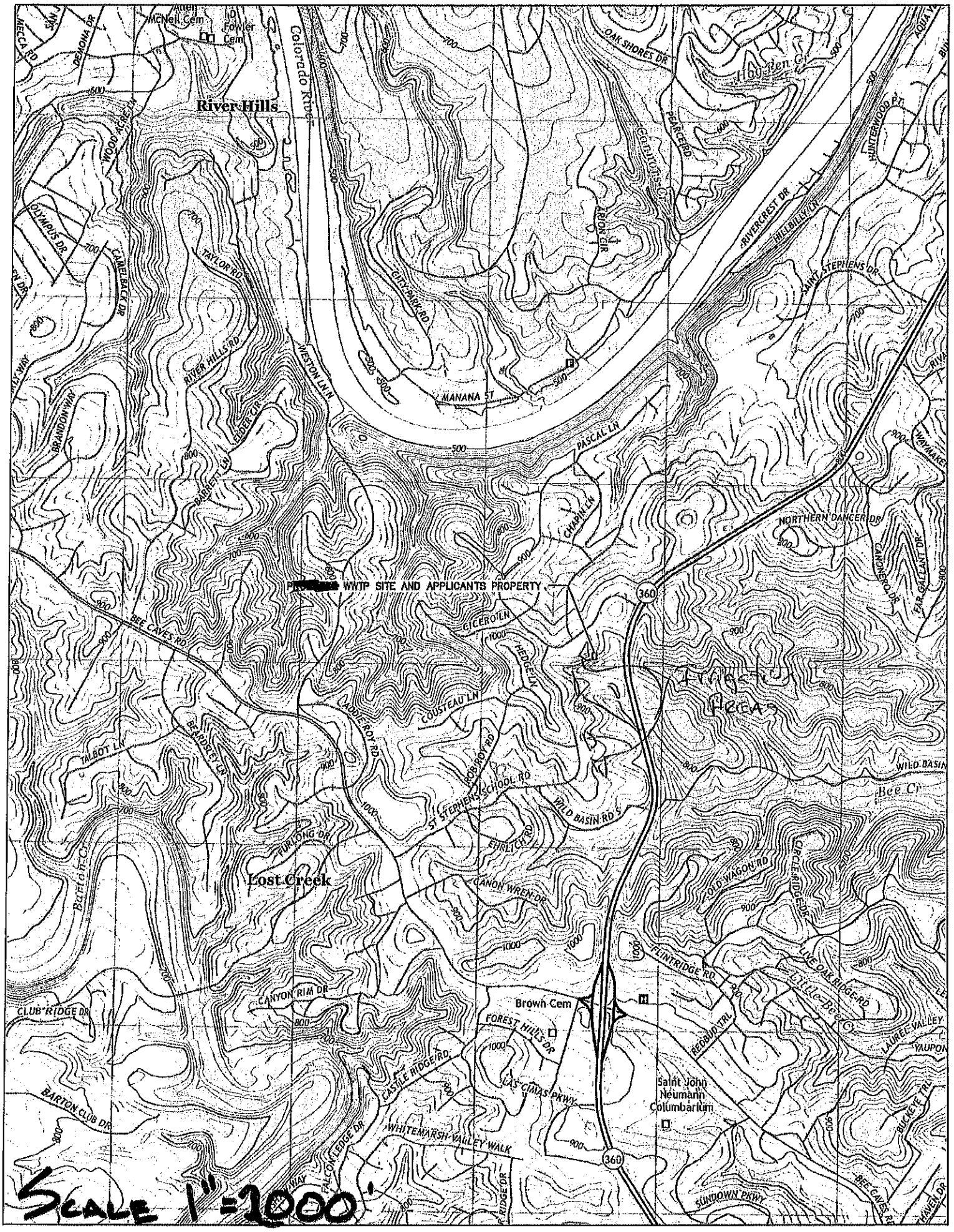
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 574-5953		(713) 647-0277	jgoebel@undinellc.com

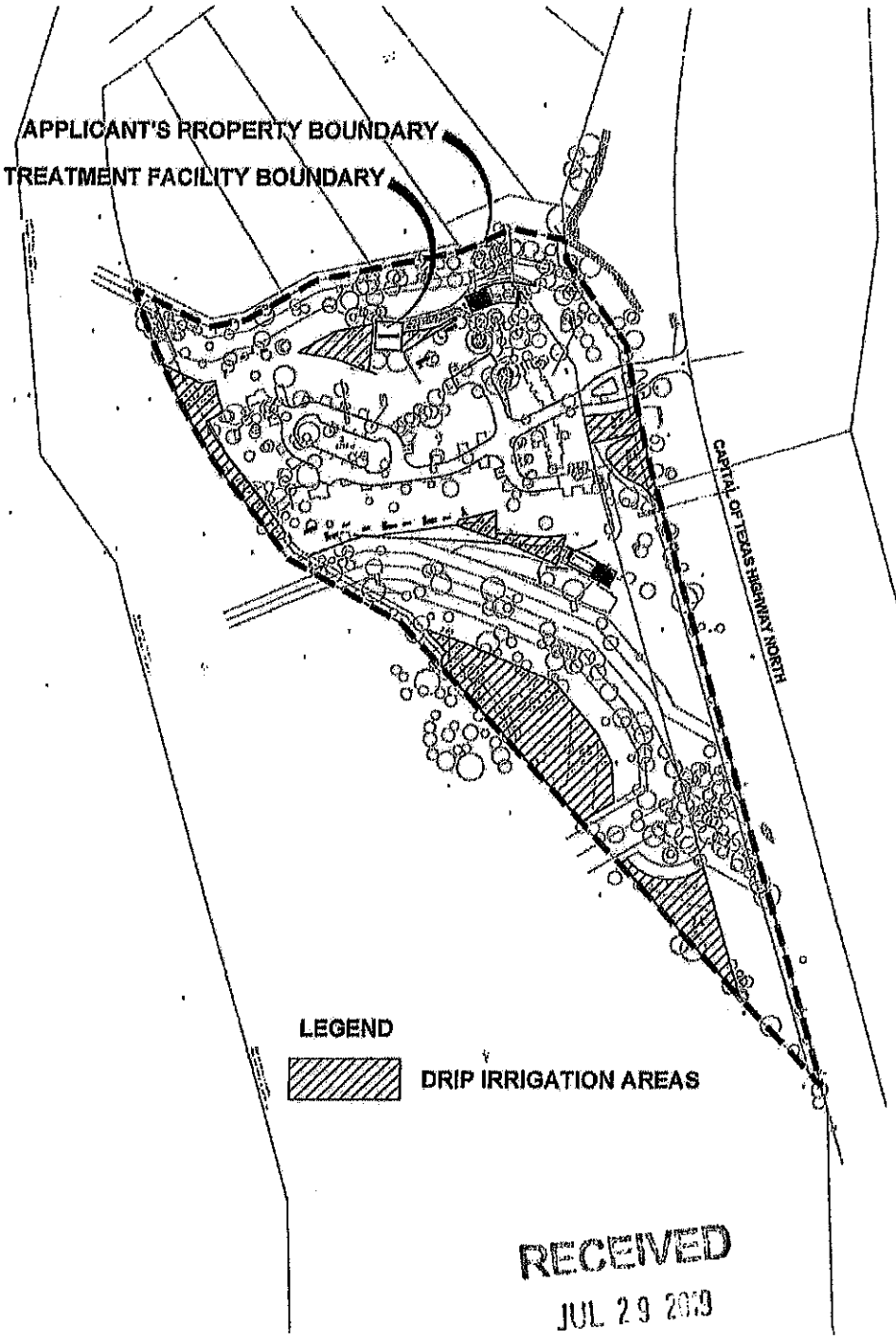
SECTION V: Authorized Signature

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 Texas Environmental, LLC	Job Title:	Sr. Vice President

Name *(In Print)*:	Carey A Thomas	Phone:	(713) 574-5953
Signature:		Date:	6/30/21


River Hills
Lost Creek
Colorado River
WWTP SITE AND APPLICANTS PROPERTY
Brown Cem
Allen McNeil Cem
Fowler Cem
Saint John Neumann Columbarium
OAK SHORES DR
PEARCE RD
HUNTERWOOD RD
RIVERCREST DR
HILLBILLY LN
SAINT STEPHENS DR
CITY PARK RD
ARBOR DR
MANANA ST
PASCAL LN
CHAPIN LN
NORTHERN DANCER DR
CANNONBALL DR
FAR GALLANT DR
WAYNAKET
WESTON LN N
RIVER HILLS RD
TAYLOR RD
CAMELBACK DR
OLYMPUS DR
WOOD ACRES LN
DEMONA DR
MECCA RD
BRANDON WAY
BARRETT LN
LEDGE CIR
BEE CAVES RD
TALBOT LN
BEARDSLEY LN
CICERO LN
HEDGE LN
COUSTEAU LN
LADDIE ROY RD
ROB ROY RD
ST STEPHENS SCHOOL RD
WILD BASIN RD S
FURLONG DR
ETHELTON RD
CANON WREN DR
CANYON RIM DR
CLUB RIDGE DR
BARTON CLUB DR
FALCON LEDGE DR
WHITEMARSH VALLEY WALK
CASTLE RIDGE RD
LAS CIMAS PKWY
FOREST HILLS DR
FLINTRIDGE RD
OLD WAGON RD
CIRCLE RIDGE DR
LIVE OAK RIDGE RD
REDBUD TRL
LAUREL VALLEY
YAUPON
BUCKEYE TRL
SUNDOWN PKWY
WILD BASIN
Bee Cr
Little Bee Cr
360
Scale 1" = 2000'



wwdengineering
engineered wastewater solutions
F-12009

9217 Hwy 290 W., Ste 110
Austin, Texas 78736
(512) 288-2111

ATTACHMENT-3
EFFLUENT PIPE ROUTING MAP
THE ADDIE
AUSTIN, TEXAS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

A. Existing/Interim I Phase

Design Flow (MGD): NA

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.

B. Interim II Phase

Design Flow (MGD): NA

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): 0.009

2-Hr Peak Flow (MGD): 0.036

Estimated construction start date: 4/2020

Estimated waste disposal start date: Click to enter text.

D. Current Operating Phase

Provide the startup date of the facility: 12/20

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

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

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

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

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	14', 12', 12.17'
Digester	1	9', 6', 12.17'
Clarifier	1	5', 12', 12.17'
CL2	1	6', 3', 12.17'

C. Process Flow Diagram

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

Attachment: T-1

Section 3. Site Information and Drawing (Instructions Page 43)

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: 30 18 35
- Longitude: 97 49 44

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

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

Attachment: T-2

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

The Addie Residential Development

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
The Addie	Undine	Privately Owned	46
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

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 44)

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 44)

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: 6/20

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.

Through a Noise Odor abatement plan

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 BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

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

2. *Acceptance of septic waste*

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

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

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

☐ Yes ☐ No

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

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☒ Yes ☐ No

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

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

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

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					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†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 49)

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 50)

A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

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

B. WWTP's Sewage Sludge or 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. Sewage Sludge or Biosolids Management

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

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Other	Off-site Third-Party Handler or Preparer	Not Applicable		Class B: PSRP Aerobic Digestion	Option 5: Aerobic process for 14 days at >40C
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: Contract Sludger Hauler

TCEQ permit or registration number: Contract Sludger Hauler

County where disposal site is located: Contract Sludger Hauler

E. Transportation method

Method of transportation (truck, train, pipe, other): Contract Sludger Hauler

Name of the hauler: Contract Sludger Hauler

Hauler registration number: Contract Sludger Hauler

Sludge is transported as a:

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

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

A. Beneficial use authorization

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ 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 Biosolids	☐ 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 $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

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

Click to enter text.

D. Site development plan

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

Click to enter text.

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

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 54)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the 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 55)

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

- The laboratory is an in-house laboratory and is:
  - 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 3.0: LAND DISPOSAL OF EFFLUENT

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

Section 1. Type of Disposal System (Instructions Page 67)

Identify the method of land disposal:

- ☐ Surface application
- ☐ Irrigation
- ☐ Drip irrigation system
- ☐ Evaporation
- ☐ Other (describe in detail): Click to enter text.
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☒ Subsurface area drip dispersal system
- ☐ Evapotranspiration beds

NOTE: All applicants without authorization or proposing new/amended subsurface disposal MUST complete and submit Worksheet 7.0.

For existing authorizations, provide Registration Number: Click to enter text.

Section 2. Land Application Site(s) (Instructions Page 67)

In table 3.0(1), provide the requested information for the land application sites. Include the agricultural or cover crop type (wheat, cotton, alfalfa, bermuda grass, native grasses, etc.), land use (golf course, hayland, pastureland, park, row crop, etc.), irrigation area, amount of effluent applied, and whether or not the public has access to the area. Specify the amount of land area and the amount of effluent that will be allotted to each agricultural or cover crop, if more than one crop will be used.

Table 3.0(1) – Land Application Site Crops

Crop Type & Land Use	Irrigation Area (acres)	Effluent Application (GPD)	Public Access? Y/N
Ber,uda and Rye Grass	2.1	9000	Y

Section 3. Storage and Evaporation Lagoons/Ponds (Instructions Page 67)

Table 3.0(2) – Storage and Evaporation Ponds

Pond Number	Surface Area (acres)	Storage Volume (acre-feet)	Dimensions	Liner Type

Attach a copy of a liner certification that was prepared, signed, and sealed by a Texas licensed professional engineer for each pond.

Attachment: Click to enter text.

Section 4. Flood and Runoff Protection (Instructions Page 67)

Is the land application site within the 100-year frequency flood level?

☐ Yes ☒ No

If yes, describe how the site will be protected from inundation.

Not in Flood Area

Provide the source used to determine the 100-year frequency flood level:

FEMA Maps

Provide a description of tailwater controls and rainfall run-on controls used for the land application site.

Click to enter text.

Section 5. Annual Cropping Plan (Instructions Page 67)

Attach an Annual Cropping Plan which includes a discussion of each of the following items. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- Soils map with crops
- Cool and warm season plant species
- Crop yield goals
- Crop growing season
- Crop nutrient requirements
- Additional fertilizer requirements
- Minimum/maximum harvest height (for grass crops)
- Supplemental watering requirements
- Crop salt tolerances
- Harvesting method/number of harvests
- Justification for not removing existing vegetation to be irrigated

Section 6. Well and Map Information (Instructions Page 68)

Attach a USGS map with the following information shown and labeled. If not applicable, provide a detailed explanation indicating why. **Attachment**: Click to enter text.

- The boundaries of the land application site(s)
- Waste disposal or treatment facility site(s)
- On-site buildings
- Buffer zones
- Effluent storage and tailwater control facilities
- All water wells within 1-mile radius of the disposal site or property boundaries
- All springs and seeps onsite and within 500 feet of the property boundaries
- All surface waters in the state onsite and within 500 feet of the property boundaries
- All faults and sinkholes onsite and within 500 feet of the property

List and cross reference all water wells located within a half-mile radius of the disposal site or property boundaries shown on the USGS map in the following table. Attach additional pages as necessary to include all of the wells.

Table 3.0(3) – Water Well Data

Well ID	Well Use	Producing? Y/N	Open, cased, capped, or plugged?	Proposed Best Management Practice
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	
			Choose an item.	

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Click to enter text.

Section 7. Groundwater Quality (Instructions Page 68)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: Click to enter text.

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☐ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: Click to enter text.

Section 8. Soil Map and Soil Analyses (Instructions Page 69)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Click to enter text.

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note:** for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Click to enter text.

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation?

☐ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.

If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

Click to enter text.

100% CONSTRUCTION
The Addie
WWTP and Drip Irrigation
Site Plan North
Austin, Texas
wwdengineering
File
Date
Oct 28, 2020
Sheet No.
WW4
Of : 41
NOTES:
1) 2 1/2" SCH 40 PVC PURPLE SUPPLY
2) 2" SCH 40 PVC PURPLE FIELD FLUSH RETURN
3) WIRING TO SOLENOID VALVES TO BE 12 GA DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
4) WIRING TO MOISTURE SENSORS TO BE 16 GA, DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
5) WIRING TO FIELD FLUSH RETURN VALVE TO BE 12 GA DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
6) CONTRACTOR SHALL ENSURE THAT ALL EROSION CONTROLS ARE IN PLACE IN ACCORDANCE WITH THE CIVIL ENGINEERING PLANS.
7) CONTRACTOR SHALL COMPLY WITH SWPPP AND CZP.
8) DRIPFIELDS SHALL BE PLANTED WITH BERMUDA GRASS AND OVERSEEDED WITH RYE GRASS. THE CONTRACTOR SHALL ESTABLISH THE VEGETATION PRIOR TO REMOVING EROSION CONTROL.
MOISTURE SENSOR
DRIP IRRIGATION FIELDS
SCALE-FEET
0 25 50 100
2 1/2" SUPPLY LINE
2" RETURN LINE
DRIPFIELD (TYPICAL)
WASTEWATER TREATMENT PLANT
Mainline Repair
MS
SW

100% CONSTRUCTION
The Addie
WWTP and Drip Irrigation
Site Plan South
Austin, Texas
wwdengineering
engineered wastewater solutions
File
Date
Oct 28, 2020
Sheet No.
WW5
Of: 41
MOISTURE SENSOR
DRIP IRRIGATION FIELDS
NOTES:
1) 1"-6" SCH 40 PVC PURPLE SUPPLY
2) 2"-3" SCH 40 PVC PURPLE RECLAIM RETURN
3) WIRING TO SOLENOID VALVES TO BE 12 GA DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
4) WIRING TO MOISTURE SENSORS TO BE 16 GA, DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
5) WIRING TO FIELD FLUSH RETURN VALVE TO BE 12 GA DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
6) CONTRACTOR SHALL ENSURE THAT ALL EROSION CONTROLS ARE IN PLACE IN ACCORDANCE WITH THE CIVIL ENGINEERING PLANS.
7) CONTRACTOR SHALL COMPLY WITH SWPPP AND CZP.
8) DRIPFIELDS SHALL BE PLANTED WITH BERMUDA GRASS AND OVERSEEDED WITH RYE GRASS. THE CONTRACTOR SHALL ESTABLISH THE VEGETATION PRIOR TO REMOVING EROSION CONTROL.
SCALE: FEET
0 25 50 100
2 1/2" SUPPLY LINE
2" RETURN LINE
DRIPFIELD (TYPICAL)
1" SUPPLY LINE
2" RETURN LINE
DRIPFIELD (TYPICAL)
CAPITAL OF TEXAS HIGHWAY (RM 2244)

CREATE SHIPMENT
BATCH SHIPPING
SHIPMENTS
E-COMMERCE
PICKUPS
ADDRESS BOOK
SHIPMENT PROFILES
SETTINGS
HELP

Shipment created successfully

Expected delivery: Tuesday, January 28, 2025 by 10:30 AM

Tracking ID
771708928960

Pickup ID
LKSA4108

Print documents

Attach shipment labels to the top of each package, making sure the barcode is clearly visible.

- [x] Shipping label(s) — Download Print
- [ ] Transaction Record — Download Print

PRINT

DOWNLOAD

Actions

EDIT SHIPMENT
REPEAT SHIPMENT
CREATE NEW SHIPMENT
SAVE SHIPMENT AS PROFILE
CANCEL SHIPMENT

Expected delivery:
Tuesday, January 28, 2025 by 10:30 AM

Estimated total costs $34.14
View breakdown

Successfully printed the shipments

CREATE SHIPMENT
BATCH SHIPPING
SHIPMENTS
E-COMMERCE
PICKUPS
ADDRESS BOOK
SHIPMENT PROFILES
SETTINGS
HELP

Shipment created successfully

Expected delivery: Tuesday, January 28, 2025 by 10:30 AM

Tracking ID
771709107554

Pickup ID
LKSA4111

Print documents

Attach shipment labels to the top of each package, making sure the barcode is clearly visible.

- [x] Shipping label(s) — Download Print
- [ ] Transaction Record — Download Print

PRINT

DOWNLOAD

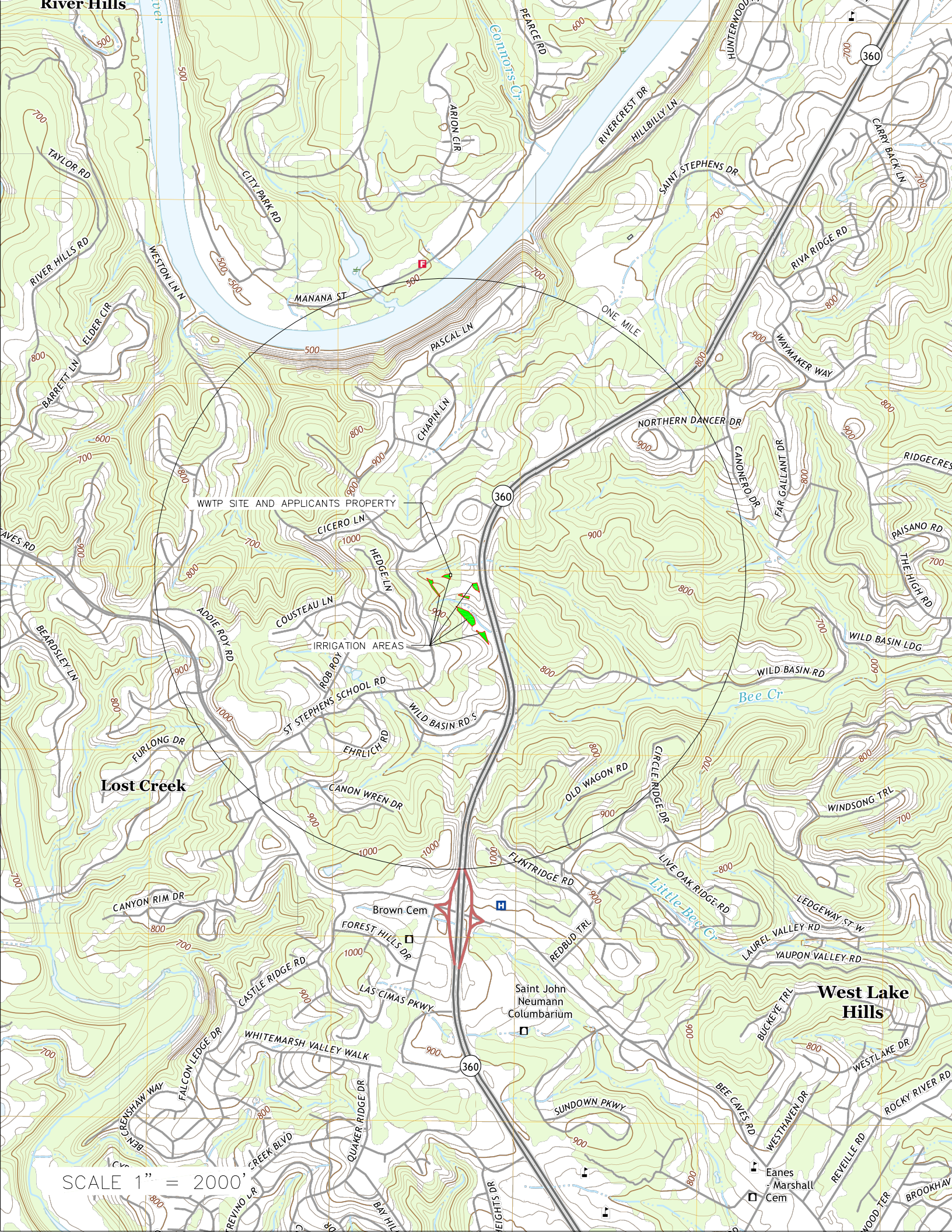
Actions

EDIT SHIPMENT
REPEAT SHIPMENT
CREATE NEW SHIPMENT
SAVE SHIPMENT AS PROFILE
CANCEL SHIPMENT

Expected delivery:
Tuesday, January 28, 2025 by 10:30 AM

Estimated total costs $34.14
View breakdown

Successfully printed the shipments


River Hills
Lost Creek
West Lake Hills
WWTP SITE AND APPLICANTS PROPERTY
IRRIGATION AREAS
ONE MILE
SCALE 1" = 2000'
Brown Cem
Saint John Neumann Columbarium
Eanes - Marshall Cem
Connors Cr
Bee Cr
Little Bee Cr
TAYLOR RD
RIVER HILLS RD
WESTON LN N
ELDER CIR
BARRETT LN
CITY PARK RD
ARION CIR
PEARCE RD
HUNTERWOOD
RIVERCREST DR
HILLBILLY LN
SAINT STEPHENS DR
CARRY BACK LN
RIVA RIDGE RD
MANANA ST
PASCAL LN
CHAPIN LN
WAYMAKER WAY
NORTHERN DANCER DR
CANONERO DR
FAR GALLANT DR
RIDGECRES
PAISANO RD
THE HIGH RD
CICERO LN
HEDGE LN
COUSTEAU LN
ADDIE ROY RD
BEARDSLEY LN
ROB ROY
ST STEPHENS SCHOOL RD
WILD BASIN RD S
WILD BASIN LDG
WILD BASIN RD
FURLONG DR
EHRLICH RD
CANON WREN DR
OLD WAGON RD
CIRCLE RIDGE DR
WINDSONG TRL
FLINTRIDGE RD
LIVE OAK RIDGE RD
LEDGEWAY ST W
LAUREL VALLEY RD
YAUPON VALLEY RD
CANYON RIM DR
FOREST HILLS DR
REDBUD TRL
CASTLE RIDGE RD
LAS CIMAS PKWY
BUCKEYE TRL
WESTLAKE DR
WHITEMARSH VALLEY WALK
FALCON LEDGE DR
CRENSHAW WAY
QUAKER RIDGE DR
SUNDOWN PKWY
BEE CAVES RD
WESTHAVEN DR
ROCKY RIVER RD
REVEILLE RD
BROOKHAV
360

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Undine Texas Environmental, LLC (CN605662840) operates The Addie Wastewater Treatment Facility (RN109199893), a activated sludge process plant operated in the complete mix mode. The facility is located at 800 North Capital of Texas Highway, in West lake hills, Travis County, Texas 78746. This application for a new discharge with a final phase of 0.009MGD. This permit will not authorize a discharge of pollutants into water in the state.

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

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

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

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

1. Introduzca el nombre del solicitante aquí (2. Introduzca el número de cliente aquí (es decir, CN6########).) 3. Elija del menú desplegable 4. Introduzca el nombre de la instalación aquí 5. Introduzca el número de entidad regulada aquí (es decir, RN1########), 6. Elija del menú desplegable 7. Introduzca la descripción de la instalación aquí. La instalación 8. Elija del menú desplegable. ubicada en 9. Introduzca la ubicación aquí, en 10. Introduzca el nombre de la ciudad aquí, Condado de 11. Introduzca el nombre del condado aquí, Texas 12. Introduzca el código postal aquí. 13. Introduzca el resumen de la petición de solicitud aquí. *<<Para las solicitudes de TLAP incluya la siguiente oración, de lo contrario, elimine:>>* Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

INSTRUCTIONS

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

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

Example

Individual Industrial Wastewater Application

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

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

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

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

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

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

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

AGUAS RESIDUALES DOMÉSTICAS

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

Undine Texas Environmental, LLC (CN605662840) opera la Planta de Tratamiento de Aguas Residuales de Addie (RN109199893), una planta de procesamiento de lodos activados que opera en el modo de mezcla completa. La instalación está ubicada en 800 North Capital of Texas Highway, en West Lake Hills, Travis County, Texas 78746. Esta solicitud de una nueva descarga con una fase final de 0,009MGD. Este permiso no autorizará la descarga de contaminantes en el agua del estado.

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 serán 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 cámara de contacto con cloro. .

Alan Barraza

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Friday, May 23, 2025 10:58 AM
To: Alan Barraza
Cc: Hannah Zellner
Subject: RE: NOD WQ0015473001
Attachments: WellReport_249209.zip; ADDIE SOIL MAP.pdf; Addie Soil Samples.pdf; Cropping Plan.docx; Map Showing Onsite Builtings.pdf; USGS Map with wells.pdf; Well Table.xlsx

Hi Alan and Hannah,
I've attached all the documents I believe satisfy the NOD requirements, with the exception of Worksheet 3.0 Section 7 and the Seeps and Springs Plan. I expect to have Worksheet 3.0 completed by next week.
We're also still waiting on the Seeps and Springs Plan, which should be finalized after the anticipated rain this coming Tuesday. As of today, the sampling data for the annual submission has not yet been collected.
Please let me know as soon as possible if I've missed anything.
Thank you for your patience,
Jeff Goebel

From: Jeff Goebel
Sent: Friday, May 9, 2025 11:31 AM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>; Firoj Vahora <fbvahora@yahoo.com>
Subject: RE: NOD WQ0015473001

Alan,

Attached is the soil samples.
Effluent samples are being taken tomorrow.
Seeps plan will be done on the next rain event

The rest must come from our engineer. Although I though he was intown and working on it, he's out of town and will not be back unit the 16th. With that, he will need until the 30 to reply to the other requests.

Hopefully we will have everything buttoned up before the end of the month.

I apricate your patience and working with us on this renewal

From: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Sent: Friday, May 9, 2025 10:43 AM
To: Jeff Goebel <jgoebel@undinellc.com>

Cc: Carey Thomas <cthomas@undinellc.com>; Andy Thomas <athomas@undinellc.com>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Good morning,

Per the extension allotted last week, the response to NODs is due today. Do you have any updates? Please note that failure to provide a response to the NOD by close of business today will result in the application ceasing to be processed and returned to you. Thank you.

Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753

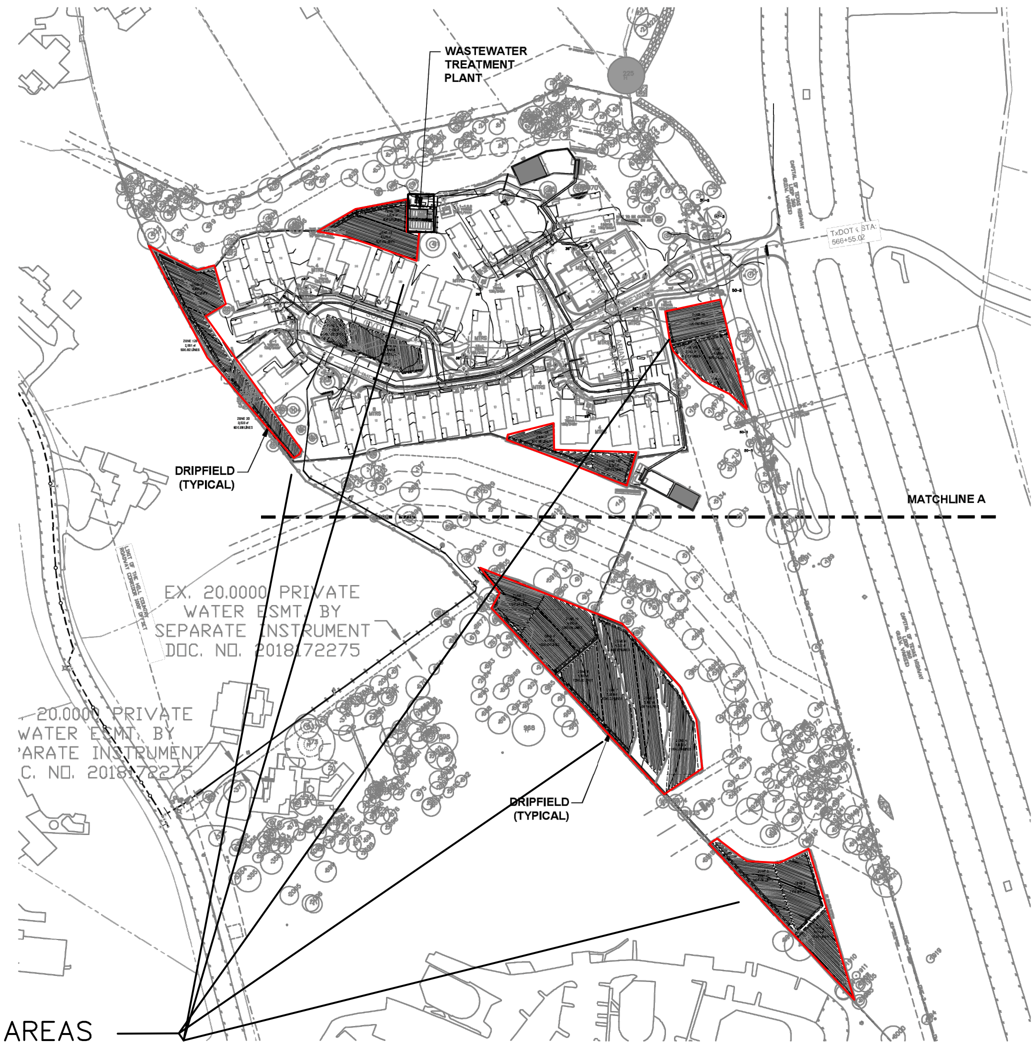
From: Alan Barraza
Sent: Monday, April 28, 2025 2:50 PM
To: jgoebel@undinellc.com
Cc: cthomas@undinellc.com; athomas@undinellc.com; Hannah Zellner <Hannah.Zellner@tceq.texas.gov>
Subject: NOD WQ0015473001

Good afternoon Mr. Goebel,

We have attempted to resolve the attached NODs for the Undine Texas Environmental, LLC permit application several times without any response. Do you have any updates/questions/concerns regarding the pending NODS? Please note if we do not receive a response by May 1st, the application will be returned to you. Thank you.

Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753



IRRIGATION AREAS

SCALE-FEET
0 50 100 200

NOTES:
1) 2 1/2" SCH 40 PVC PURPLE SUPPLY
2) 2" SCH 40 PVC PURPLE FIELD FLUSH RETURN
3) WIRING TO SOLENOID VALVES TO BE 12 GA DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
4) WIRING TO MOISTURE SENSORS TO BE 16 GA, DIRECT BURY WIRE (RED-HOT) (WHITE-NEUTRAL)
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8) DRIPFIELDS SHALL BE PLANTED WITH BERMUDA GRASS AND OVERSEEDED WITH RYE GRASS. THE CONTRACTOR SHALL ESTABLISH THE VEGETATION PRIOR TO REMOVING EROSION CONTROL.

(MS) MOISTURE SENSOR

DRIP IRRIGATION FIELDS

NOT FOR CONSTRUCTION

REV.	REVISION	DATE
1	ADDED YARD PIPING	05/2[illegible]

Austin CAD Services

Know what's below. Call before you dig.

The Addie
WWTP and Drip Irrigation
Overall Site Plan
Austin, Texas

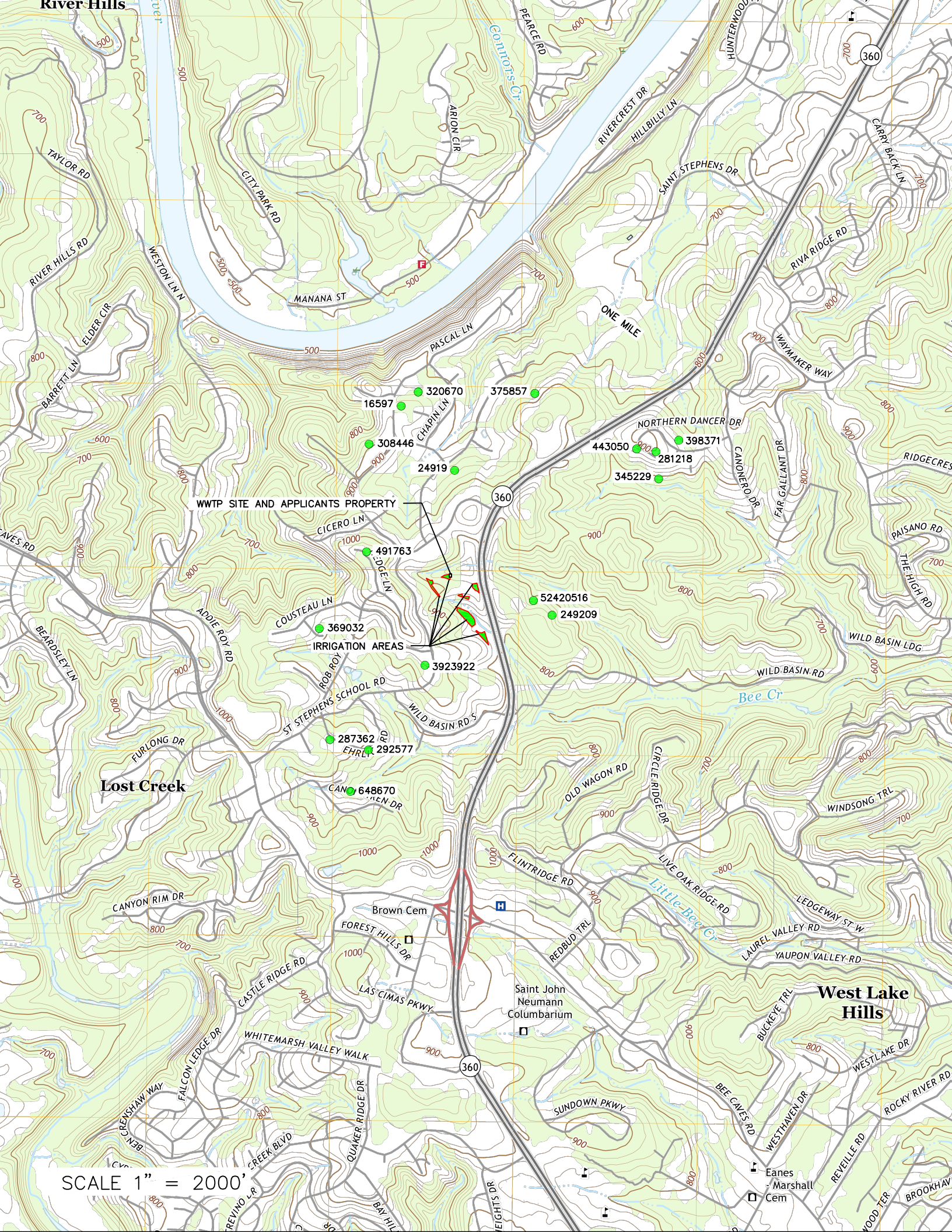
STATE OF TEXAS
ERIN K. BANKS
84248
REGISTERED PROFESSIONAL ENGINEER
05/27/20

wwdengineering
engineered wastewater solutions
F-12009
9217 Hwy 290 W., Ste 110 Austin, Texas 78736
(512) 288-2111

File
The Addie_WW_V6.dwg

Date
May 27, 2020

Sheet No.
WW3
Of : 42


River Hills
Lost Creek
West Lake Hills
Connors Cr
Bee Cr
Little Bee Cr
ONE MILE
WWTP SITE AND APPLICANTS PROPERTY
IRRIGATION AREAS
320670
375857
16597
308446
24919
443050
398371
281218
345229
491763
52420516
249209
369032
3923922
287362
292577
648670
Brown Cem
Saint John Neumann Columbarium
Eanes - Marshall Cem
360
TAYLOR RD
RIVER HILLS RD
WESTON LN N
ELDER CIR
BARRETT LN
CITY PARK RD
ARION CIR
PEARCE RD
HUNTERWOOD
RIVERCREST DR
HILLBILLY LN
SAINT STEPHENS DR
CARRY BACK LN
RIVA RIDGE RD
MANANA ST
PASCAL LN
WAYMAKER WAY
NORTHERN DANCER DR
CHAPIN LN
CANONERO DR
FAR GALLANT DR
RIDGECRES
PAISANO RD
THE HIGH RD
CICERO LN
COUSTEAU LN
ADDIE ROY RD
BEARDSLEY LN
ROB ROY
ST STEPHENS SCHOOL RD
WILD BASIN LDG
WILD BASIN RD
WILD BASIN RD S
FURLONG DR
EHRLICH RD
OLD WAGON RD
CIRCLE RIDGE DR
WINDSONG TRL
FLINTRIDGE RD
LIVE OAK RIDGE RD
LEDGEWAY ST W
LAUREL VALLEY RD
YAUPON VALLEY RD
CANYON RIM DR
FOREST HILLS DR
REDBUD TRL
CASTLE RIDGE RD
LAS CIMAS PKWY
WHITEMARSH VALLEY WALK
FALCON LEDGE DR
CRENSHAW WAY
QUAKER RIDGE DR
SUNDOWN PKWY
BUCKEYE TRL
WESTLAKE DR
ROCKY RIVER RD
BEE CAVES RD
WESTHAVEN DR
REVEILLE RD
SCALE 1" = 2000'

SOIL CLASSIFICATIONS

BID—BRACKETT-ROCK OUTCROP COMPLEX
TYPICAL PROFILE
A – 0 to 6 inches: gravelly clay loam
Bw – 6 to 18 inches: clay loam
Cr – 18 to 60 inches: bedrock
PROPERTIES AND QUALITIES
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 1.98 in/hr)
Depth to water table: More than 80 inches
Hydrologic Soil Group: D
Hydric soil rating: No

BOF—BRACKETT-ROCK OUTCROP-REAL COMPLEX
TYPICAL PROFILE
A – 0 to 6 inches: gravelly clay loam
Bk – 6 to 14 inches: gravelly clay loam
Cr – 14 to 60 inches: bedrock
PROPERTIES AND QUALITIES
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 1.98 in/hr)
Depth to water table: More than 80 inches
Hydrologic Soil Group: D
Hydric soil rating: No

FILE NAME:
USDA WEB SOIL SURVEY

HEARN ENGINEERING INC.
P.O. BOX 1104
CAMERON, TEXAS 76520
PH (512) 310-0176
FIRM NO. F-1234

UNDINE L.L.C.
THE ADDIE WASTEWATER SYSTEM
SOIL MAP
TRAVIS CO., TEXAS

DESIGNED BY: DCH
DRAWN BY: ACH
CHECKED BY: DCH
SCALE: 1"=200'
DATE: 5/2025

SHEET 1 OF 1

Cropping Plan

DRIPFIELDS ARE PLANTED WITH BERMUDA GRASS. EACH FALL, BEDS SHALL BE OVERSEEDED WITH RYE GRASS.ALL BARE AREA SHALL BE RESEEDED TO INSURE ADEQUATE COVERAGE

Well ID	Well Use	Producing Y/N	Open, Cased, Capped or Plugged
648670	Domestic	Y	Cased
491763	Domestic	Y	Cased
443050	Irrigation	Y	Cased
398371	Irrigation	Y	Cased
392392	Irrigation	Y	Cased
396032	Irrigation	Y	Cased
345229	Closed-Loop Geothermal	n	plugged
320670	Irrigation	Y	Cased
308446	Irrigation	Y	Cased
292577	Irrigation	Y	Cased
287362	Irrigation	Y	Cased
249209	Domestic	Y	Cased
24919	Environmental Soil Boring	unknown	unknown
16597	Monitor	unknown	unknown
5842516	Domestic	Y	Cased

Prososed Best Management Practice
Bufferzone is Maintained
Bufferzone is Maintained
Bufferzone is Maintained
Bufferzone is Maintained
Bufferzone is Maintained
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Bufferzone is Maintained

Texas Water Development Board
Well Schedule

State Well No. 58 42 516 **Previous Well No.** _____ **County** Travis 453

River Basin Colorado 14 **Zone** 3 **Region** 12 **Lat.** 30 18 38 **Long.** 097 49 27 **Source of Coord.** 1

Owner's Well No. _____ **Location** ____ 1/4, ____ 1/4, **Section** ____, **Block** ____, **Survey** ____

Owner Wild Basin Preserve **Driller** Associated Drlg. Co.

Address P.O. Box 13455 Austin, Tx. 78711 **Tenant/Oper.** _____

Date Drilled 11 15 1989 **Depth** 570 **Source of Depth Datum** _____ **Altitude** 865 **Source of Alt. Datum** M

Aquifer Lower Glen Rose 218GLRSL **Well Type** W **User** _____

Well Construction **Const. Method** Air Rotary A **Casing Material** PVC P

Completion Screen S **Screen Material** PVC P

Lift Data **Pump Mfr.** _____ **Type** Subm S **No. Stages** _____

Bowls Diam. _____ in. **Setting** 400 ft. **Column Diam.** _____ in.

Motor Mfr. _____ **Fuel or Power** Elec E **Horsepower** _____

Yield **Flow** _____ GPM **Pump** _____ GPM **Meas.,Rept.,Est.** _____ **Date** _____

Performance Test **Date** _____ **Length of Test** _____ **Production** _____ GPM

Static Leve _____ ft. **Pumping Level** _____ ft. **Drawdown** _____ ft. **Sp.Cap.** _____ GPM/ft.

Quality (Remarks _____

Water Use **Primary** Dom H **Secondary** _____ **Tertiary** _____

Other Data Available **Water Level** M **Water Quality** W **Logs** D _____ **Other Data** _____

Water Levels	**Date**	**Meas.**	
	11 15 1989	200.00	below LSD

Casing or Blank Pipe (C)
Well Screen or Slotted Zone (S)
Open Hole (O)
Cemented from 0 to 10

	Diam. (in.)	Setting (feet) From	To
1	C 05	0	570
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

(20 max)

Recorded By F. Bilberry **Date Record Collected or Updated** 08 02 1991 **Reporting Agency** 01

Remarks

1
2
3
4
5
6

Aquifer _____

Well No. 58-42-51

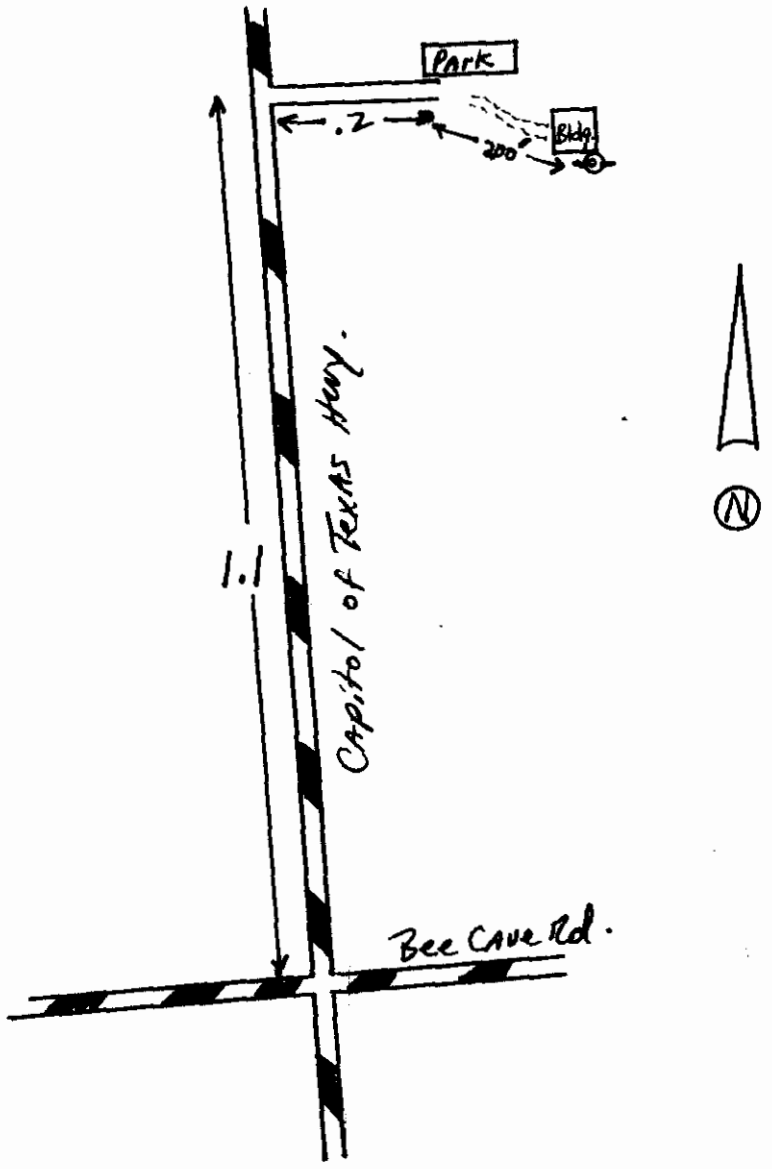
900052
11/21/89

TEXAS DEPARTMENT OF WATER RESOURCES

BY_____ DATE_____ DIVISION _____ SHEET NO._____ OF____

CHKD_____ DATE_____ JOB NAME _____

_____ JOB NO._____ PROG. CODE_____



58-42-516

send original copy by certified mail to: Texas Water Commission, P.O. Box 13087, Austin, Texas 78711 — Please use black ink.

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas WELL REPORT

Texas Water Well Drillers Board
P.O. Box 13087
Austin, Texas 78711

1) OWNER Wild Basin Preserve (Name) ADDRESS P.O. Box 13455 Austin, Texas 78711 (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL:
County Travis , 1 miles in NW (NE, SW, etc.) direction from Rollingwood (Town)

Driller must complete the legal description below with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☐ LEGAL DESCRIPTION:
Section No. _____ Block No. _____ Township _____ Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____
☒ SEE ATTACHED MAP

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening ☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check):
☒ Domestic ☐ Industrial ☐ Monitor ☐ Public Supply ☐ Irrigation ☐ Test Well ☐ Injection ☐ De-Watering

5) DRILLING METHOD (Check):
☐ Driven ☐ Mud Rotary ☐ Air Hammer ☐ Jetted ☐ Bored ☒ Air Rotary ☐ Cable Tool ☐ Other _____

6) WELL LOG:
Date Drilling: Started 11-14 1989 Completed 11-15 1989

DIAMETER OF HOLE

Dia. (in.)	From (ft.)	To (ft.)
7	Surface	570

7) BOREHOLE COMPLETION:
☐ Open Hole ☒ Straight Wall ☐ Underreamed
☐ Gravel Packed ☐ Other _____
If Gravel Packed give interval . . . from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material
0	2	Topsoil/Limestone
2	40	Yellow limestone
40	440	Gray limestone/shale layers
*440	460	Yellow limestone
460	470	Gray limestone
*470	570	Tan Limestone

(Use reverse side if necessary)

8) CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casing Screen
5	N	PVC	0	570	40

RECEIVED
DEC 4 1989
TEXAS WATER COMMISSION

9) CEMENTING DATA [Rule 287.44(1)]
Cemented from 0 ft. to 10 ft. No. of Sacks Used 5
_____ ft. to _____ ft. No. of Sacks Used _____
Method used Gravity
Cemented by Associated Drilling Company

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed [Rule 287.44(2)(A)]
☐ Pitless Adapter Used [Rule 287.44(3)(B)]
☐ Approved Alternative Procedure Used [Rule 287.71]

11) WATER LEVEL:
Static level 200 ft. below land surface Date 11-15-89
Artesian flow _____ gpm. Date _____

12) PACKERS:

Type	Depth
Burlap	10
Shale Trap	440

13) TYPE PUMP:
☐ Turbine ☐ Jet ☒ Submersible ☐ Cylinder ☐ Other _____
Depth to pump bowls, cylinder, jet, etc., 400 ft.

14) WELL TESTS:
Type Test: ☐ Pump ☐ Baller ☐ Jetted ☒ Estimated
Yield: _____ gpm with _____ ft. drawdown after _____ hrs.

15) WATER QUALITY:
Did the drilling penetrate any strata which contained undesirable constituents?
☐ Yes ☒ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? Glenrose Depth of strata *see above
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Associated Drilling Company (Type or print) WELL DRILLER'S LICENSE NO. 1955

ADDRESS P.O. Box 1060 (Street or RFD) Manchaca (City) Texas (State) 78652 (Zip)

(Signed) Byron Bennett (Licensed Well Driller) (Signed) _____ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

For TWC use only: Well No. 58-42-5 Located on map _____

WWD-012 (Rev. 09/21/88) TEXAS WATER COMMISSION COPY

58-42-516 V

ISOTECH®
ISOTECH LABORATORIES INC

ANALYSIS REPORT

Water Analysis

Lab Number: 191030 Job Number: 13380

Submitter Sample Name: 1007267-004A

Submitter Sample ID:

Submitter Job #:

Company: LCRA Environmental Lab Services

Field or Site: WO #1007267

Location:

Depth/Formation:

Container Type: 125ml & 1000ml bottle

Sample Collected: 7/07/2010 Results Reported: 7/24/2010

Delta D of water	-29.0 per mil relative to VSMOW
Delta O-18 of water	-4.93 per mil relative to VSMOW
Tritium content of water	na
Delta C-13 of DIC	na
Carbon-14 content of DIC	na
Delta N-15 of nitrate	na
Delta O-18 of nitrate	na
Delta S-34 of sulfate	na
Delta O-18 of sulfate	na

Remarks: Wild Basin

58-42-516 Travis

Results of Isotopic Analysis				
MIT TIMS Lab				
Date:	**8/13/10**			
Analysts:	**F.Ö. Dudás**	F. Ö. Dudás		
		87Sr/86Sr	**% S.E.**	
MIT #	**Other #**	**(1)**	**(2)**	**2-sigma s.e.**
T 2780	**1007268-001A**	0.707906	0.0010	0.000014
T 2781	**1007268-002A**	0.707806	0.0005	0.000007
(1) Long term reproducibility of NBS-987 at MIT: 0.710238 ± 0.000018 (2-sigma s.d.).				
(2) Within-run internal precision of measured ratio.				

58-42-914

58-42-516 ✓

Travis

Samples collected 7/7/2010.

BETA ANALYTIC INC.
DR. M.A. TAMERS and MR. D.G. HOOD
4985 S.W. 74 COURT
MIAMI, FLORIDA, USA 33155
PH: 305-667-5167 FAX:305-663-0964
beta@radiocarbon.com

REPORT OF RADIOCARBON DATING ANALYSES

Ms. Susan Benavidez

Report Date: 8/1/2010

LCRA Environmental Laboratory

Material Received: 7/16/2010

Sample Data	Apparent C14 Age (fraction modern)	C13/C12 Ratio
Beta - 282003	6780 +/- 40 BP (Fmdn 0.4300 +/- 0.0021)	-6.2 o/oo
SAMPLE : 1007266-001A ANALYSIS : AMS-Standard delivery MATERIAL/PRETREATMENT : (water DIC): carbonate precipitation		
Beta - 282004	1240 +/- 40 BP (Fmdn 0.8570 +/- 0.0041)	-9.9 o/oo
SAMPLE : 1007266-002A ANALYSIS : AMS-Standard delivery MATERIAL/PRETREATMENT : (water DIC): carbonate precipitation		
Beta - 282005	690 +/- 40 BP (Fmdn 0.9177 +/- 0.0044)	-11.0 o/oo
SAMPLE : 1007266-003A ANALYSIS : AMS-Standard delivery MATERIAL/PRETREATMENT : (water DIC): carbonate precipitation		
Beta - 282006	22690 +/- 90 BP (Fmdn 0.0593 +/- 0.0006)	-1.7 o/oo
SAMPLE : 1007266-004A ANALYSIS : AMS-Standard delivery MATERIAL/PRETREATMENT : (water DIC): carbonate precipitation		

58-57-916
coll. 7/7/2010

58-57-913
coll. 7/7/2010

58/42-914
coll. 7/7/2010

58-42-516
Travis coll. 7/7/2010

Dates are reported as RCYBP (radiocarbon years before present, "present" = AD 1950). By international convention, the modern reference standard was 95% the 14C activity of the National Institute of Standards and Technology (NIST) Oxalic Acid (SRM 4990C) and calculated using the Libby 14C half-life (5568 years). Quoted errors represent 1 relative standard deviation statistics (68% probability) counting errors based on the combined measurements of the sample, background, and modern reference standards. Measured 13C/12C ratios (delta 13C) were calculated relative to the PDB-1 standard.

The Conventional Radiocarbon Age represents the Measured Radiocarbon Age corrected for isotopic fractionation, calculated using the delta 13C. On rare occasion where the Conventional Radiocarbon Age was calculated using an assumed delta 13C, the ratio and the Conventional Radiocarbon Age will be followed by "*". The Conventional Radiocarbon Age is not calendar calibrated. When available, the Calendar Calibrated result is calculated from the Conventional Radiocarbon Age and is listed as the "Two Sigma Calibrated Result" for each sample.

BSEACD FY 2010

TWDB Water Quality Field Data Sheet

SWN: 58-42-516
County: TRAVIS
County Code: 453
Aquifer Code: 28 GLRSL (Glen Rose Limestone Lwr. Member)
Aquifer Id: 28 - Trinity Aq.

Name: Wild Basin
Address: 805 N. Capital of Texas Hwy. Austin, TX 78746
Attention:
Well Name or #:

Newly Inventoried Well: No
ID Number: 3070
Date: 7/7/10
Sampler(s): JK, BH

1	2	3	4	5	6	7	8
500 ml filtered	500ml filtered	250 ml filtered	1 L filtered	1 L unfiltered	250 ml unfiltered	250 ml unfiltered	1 L unfiltered
Cation	Anion	Nitrate	Gross Alpha	C14/C13 corr	O-18 Deuterium	Sr-87/Sr-86	Tritium 2nd Enrichment
HNO3 by lab	Total Alk. Ice	Ice + H2SO4	HNO3 by lab	*NaOH by lab	None	None	None

All acidified samples pH <2.0. (*) If natural pH is <7, then add NaOH until pH is between 7 and 8. If natural pH is ≥7, no NaOH required.

Calibration Verification Readings		
pH	7 =	6.99
	4 or 10 =	
Conductivity	500 =	498
	1000 =	999
	2000 =	2000
	5000 =	

Time In: 11:49
Time Out: 13:00

Water Level: well head not accessible M.P. = — W.L. remark: —

Pumping time: one hour
Sampling Point: faucet blf tank, by pressure

Well Use: Domestic
Lift: Subm.
Power: electric
Casing Type: PVC
Casing Size: 5"
Sample Time: 12:47

FIELD G.P.S. readings
Latitude: 30-19-38
Longitude: 97-49-27

Filter pressure: hand pump (line) / spring

Field Alkalinity Titration:	
Start pH 6.98	End pH 4.5
50	mL Sample Size
—	mL Acid Phenol (> 8.3)
12.3	mL Acid Total (to pH 4.5)
mL acid added x 20 = Alkalinity	

Phenol Alkalinity (82244): — mg/L
Total Alkalinity (39086): 246 mg/L

Items Below Calculated Later From Results:	
Dissolved Solids (mg/L):	
Hardness (as CaCO3):	
Balanced:	

Water Quality Stabilization Parameters Table (At least 3 readings @ 5 min. intervals)

									Notes:
Time	11:49	11:54	12:00	12:10	12:24	12:29	12:35	12:40	
pH	6.63	6.46	6.39	6.42	6.37	6.39	6.42	6.45	
Celsius Temp.	~~23.8~~ 23.4°C	23.2°C	23.0	23.9°C	23.9°C	24°C	24°C	24°C	
Conductivity	~~1.360~~	1.360	1.47	1.29	1.72	1.94	1.98	1.98	

tanks

* ptl too low, just for relative values
* turbid
* turbid + spots clear
1,800 µS/cm

* Filtered all samples due to turbidity

cycling on + off

* Well depth: 581'
Set 400', pump: 1.5hp

Field Data entered into GWDB: yes / no

notes on well house

LCRA Environmental Laboratory Services

Date: *29-Jul-10*

CLIENT:	Texas Water Development Board	**Client Sample ID:**	WILD BASIN
Lab Order:	1007265	**Collection Date:**	7/7/2010 12:47:00 PM
Project:	TWDB FY2010	**Matrix:**	GROUNDWATER
Lab ID:	1007265-004	**Tag No:**	3020

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS, DISSOLVED		**E200.7**				Analyst: **MV**
Calcium	166	0.20		mg/L	1	7/14/2010 3:18:18 PM
Magnesium	152	0.20		mg/L	1	7/14/2010 3:18:18 PM
Potassium	16.2	0.20		mg/L	1	7/14/2010 3:18:18 PM
Sodium	31.3	0.51		mg/L	1	7/14/2010 3:18:18 PM
ICP METALS, DISSOLVED		**E200.7**				Analyst: **MV**
Boron	830	51		µg/L	1	7/14/2010 3:18:18 PM
Iron	< 51	51		µg/L	1	7/14/2010 3:18:18 PM
Strontium	18700	204		µg/L	10	7/14/2010 4:13:08 PM
ICPMS METALS, DISSOLVED		**E200.8**				Analyst: **SW**
Aluminum	< 4.1	4.1		µg/L	1	7/13/2010 1:45:51 PM
Antimony	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Arsenic	< 2.0	2.0		µg/L	1	7/13/2010 1:45:51 PM
Barium	12.4	1.0		µg/L	1	7/13/2010 1:45:51 PM
Beryllium	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Cadmium	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Chromium	7.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Cobalt	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Copper	3.6	1.0		µg/L	1	7/13/2010 1:45:51 PM
Lead	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Lithium	98.8	2.0	A	µg/L	1	7/13/2010 1:45:51 PM
Manganese	2.6	1.0		µg/L	1	7/13/2010 1:45:51 PM
Molybdenum	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Selenium	< 4.1	4.1		µg/L	1	7/13/2010 1:45:51 PM
Silver	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Thallium	< 1.0	1.0		µg/L	1	7/13/2010 1:45:51 PM
Uranium	< 1.0	1.0	A	µg/L	1	7/13/2010 1:45:51 PM
Vanadium	1.9	1.0		µg/L	1	7/13/2010 1:45:51 PM
Zinc	7.6	4.1		µg/L	1	7/13/2010 1:45:51 PM
MERCURY, TOTAL		**SW7470A**				Analyst: **AE**
Mercury	< 0.200	0.200		µg/L	1	7/13/2010 3:22:00 PM
DISSOLVED ANIONS BY ION CHROMATOGRAPH		**E300.0**				Analyst: **WR**
Bromide Dissolved	0.21	0.02		mg/L	1	7/20/2010 4:25:00 PM
Chloride Dissolved	24.2	1.00		mg/L	1	7/20/2010 4:25:00 PM
Fluoride Dissolved	3.82	0.10		mg/L	10	7/27/2010 1:20:00 PM
Sulfate Dissolved	735	10.0		mg/L	10	7/27/2010 1:20:00 PM
ALKALINITY		**SM2320 B**				Analyst: **JB**
Alkalinity, Phenolphthalein	< 2	2	A	mg/L CaCO3	1	7/15/2010

Qualifiers:

PQL: Practical Quantitation Limit

A Not Available for Accreditation
B Analyte Detected in Method Blank
E Value Above Quantitation Range
H Holding Time Exceeded
N Not Accredited
S Spike Recovery Outside Recovery Limits
X Value Exceeds Maximum Contaminant Level (MCL)

LCRA Environmental Laboratory Services

Date: *29-Jul-10*

CLIENT:	Texas Water Development Board	**Client Sample ID:**	WILD BASIN
Lab Order:	1007265	**Collection Date:**	7/7/2010 12:47:00 PM
Project:	TWDB FY2010	**Matrix:**	GROUNDWATER
Lab ID:	1007265-004	**Tag No:**	3020

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ALKALINITY			**SM2320 B**			Analyst: **JB**
Alkalinity, Total (As CaCO3)	345	2		mg/L CaCO3	1	7/15/2010
CATION/ANION BALANCE			**CALCULATION**			Analyst: **AMJ**
Cation/Anion Balance	0.14	5.0		%	1	7/28/2010
NITRATE AND NITRITE			**SM4500-NO3-H**			Analyst: **KK**
Nitrogen, Nitrate & Nitrite	0.164	0.020		mg/L	1	7/14/2010
DISSOLVED PHOSPHATE AS P IN WATER			**E365.4**			Analyst: **CM**
Phosphorus, Dissolved (As P)	< 0.020	0.020		mg/L	1	7/13/2010
SILICA			**SM4500-SIO2-C**			Analyst: **KK**
Silica, Dissolved (as SiO2)	11.4	2.50		mg/L	5	7/15/2010

Qualifiers:

PQL: Practical Quantitation Limit

A Not Available for Accreditation
B Analyte Detected in Method Blank
E Value Above Quantitation Range
H Holding Time Exceeded
N Not Accredited
S Spike Recovery Outside Recovery Limits
X Value Exceeds Maximum Contaminant Level (MCL)

STATE OF TEXAS WELL REPORT for Tracking #16597

Owner:	**VanDerslice**	Owner Well #:	**mw-3**
Address:	**4 Humboldt Austin, TX**	Grid #:	**58-42-5**
Well Location:	**4 Humboldt Austin, TX**	Latitude:	**30° 19' 15" N**
		Longitude:	**097° 49' 54" W**
Well County:	**Travis**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Monitor**

Drilling Start Date: **6/13/2002** Drilling End Date: **6/14/2002**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**8**	**0**	**15**

Drilling Method: **Air Rotary; Bored**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**3**	**15**	**Gravel**	

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**1**	**4**

Seal Method: **hand mix**

Sealed By: **TSS**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Alternative Procedure Used**

Water Level: **No Data**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **Unknown**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Total Support Services**

PO Box 81621
Austin, TX 78708

Driller Name: **Dan Spaust** License Number: **3038**

Comments: **concrete 0 to 1**
bentonite chips 1 to 3
sand 3 to15

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1.3**	**tan clayey sand**
1.3	**15**	**tan limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
2	**N**	**PVC**	**riser 0 to 5 sch 40**
2	**N**	**PVC**	**screen 5 to 15 .010 in.**

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P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #24919

Owner:	**Chevron Products Company**	Owner Well #:	**B-1, 2, 3**
Address:	**5959 Corporate Drive Houston, TX 77036**	Grid #:	**58-42-5**
Well Location:	**5801 Interregional Austin, TX**	Latitude:	**30° 19' 07" N**
		Longitude:	**097° 49' 47" W**
Well County:	**Travis**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Environmental Soil Boring**

Drilling Start Date: **8/20/2003** Drilling End Date: **8/20/2003**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**6.25**	**0**	**13**

Drilling Method: **Air Rotary**

Borehole Completion: **Unknown**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**2**	**2**

Seal Method: **Mixed by hand**

Sealed By: **Driller**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Surface Slab Installed**

Water Level: **No Data**

Packers: **Hole Plug Bentonite Chips 13'-2'**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **Unknown**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **dba Universal Drilling Services**

3532 Maggie Boulevard
Orlando, FL 32811

Driller Name: **Johnny Body** License Number: **3060**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Concrete**
1	**4**	**Sandy clay, black, moderate plasticity**
2	**4**	**Sandy clay, light brown, moist, low plasticity, slightly moist**
4	**13**	**Limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
No Data			

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STATE OF TEXAS WELL REPORT for Tracking #249209

Owner:	**ST. EDWARDS UNIVERSITY**	Owner Well #:	**No Data**
Address:	**3001 SOUTH CONGRESS AVE. AUSTIN, TX 78704**	Grid #:	**58-42-5**
Well Location:	**805 N. CAPITAL OF TX. HWY. AUSTIN, TX 78746**	Latitude:	**30° 18' 37" N**
		Longitude:	**097° 49' 24" W**
Well County:	**Travis**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **3/10/2011** Drilling End Date: **3/10/2011**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9	**0**	**100**
6.5	**100**	**600**

Drilling Method: **Air Rotary**

Borehole Completion: **CASED**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**100**	**14 CEMENT**
0	**100**	**6 VOLCLAY**

Seal Method: **PRESSURE TRIMMY CEMENTING**

Sealed By: **Driller**

Distance to Property Line (ft.): **N/A**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **WELL DRILLED FIRST**

Surface Completion: **Surface Sleeve Installed**

Water Level: **415.6 ft.** below land surface on **2011-03-10** Measurement Method: **Unknown**

Packers: **5 BURLAP,PVC,RUBBER 100',400',420',440',540'**

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 40 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
80	**MIDDLE TRINITY**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **CENTEX PUMP & SUPPLY, INC.**

2520 HWY. 290 WEST
DRIPPING SPRINGS, TX 78620

Driller Name: **AARON GLASS** License Number: **4227**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

From (ft)	To (ft)	Description
0	**1**	**TOP SOIL**
1	**45**	**CALICHE**
45	**50**	**BLUE/GRAY LIMESTONE**
50	**210**	**GRAY LIMESTONE**
210	**390**	**GRAY/TAN LIMESTONE**
390	**430**	**GRAY LIMESTONE**
430	**460**	**GRAY/TAN LIMESTONE**
460	**490**	**TAN/GRAY LIMESTONE**
490	**520**	**TAN LIMESTONE**
520	**560**	**GRAY/TAN LIMESTONE**
560	**590**	**BROWN W/GRAY LIMESTONE**
590	**600**	**GRAY LIMESTONE W/HAMMIT**
STRIPS		

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
5"	**OD**	**N SDR17 PVC**	**+3 TO 600**
5"	**OD**	**N SDR17 PVC SLOT**	**460 TO 520 .032**
5"	**OD**	**N SDR17 PVC SLOT**	**540 TO 600 .032**

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Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #648670

Owner:	**Ezekiel Neumann and Zenghong Neumann**	Owner Well #:	**58424EN**
Address:	**5 Ehrlich Rd. Austin, TX 78746**	Grid #:	**58-42-4**
Well Location:	**5 Ehrlich Rd. Austin, TX 78746**	Latitude:	**30° 18' 13" N**
Well County:	**Travis**	Longitude:	**097° 50' 05" W**
		Elevation:	**924 ft. above sea level**

Type of Work: **New Well** Proposed Use: **Domestic**

Drilling Start Date: **8/9/2023** Drilling End Date: **8/9/2023**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9	**0**	**100**
6.13	**100**	**730**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**100**	**Cement 14 Bags/Sacks**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **35**

Distance to Septic Field or other concentrated contamination (ft.): **City**

Distance to Septic Tank (ft.): **City**

Method of Verification: **Owner**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **556 ft.** below land surface on **2023-08-09**

Packers: **Burlap at 100 ft.**
Burlap/Plastic at 120 ft.
Burlap/Plastic at 300 ft.
Burlap/Plastic at 500 ft.
Burlap/Plastic at 600 ft.
Burlap/Plastic at 630 ft.

Type of Pump: **Submersible**

Well Tests: **Jetted** **Yield: 20 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
630 - 730	**Lower Trinity**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**

2520 Hwy. 290 West
Dripping Springs, TX 78620

Driller Name: **Martin Lingle** License Number: **54813**

Comments: **Glass Well Service to set the pump.**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Top Soil**
1	**60**	**Caliche**
60	**95**	**Gray**
95	**510**	**Gray & Tan**
510	**610**	**Tan Gray**
610	**725**	**Tan & Brown**
725	**730**	**Gray w/ Clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
4.5	**Blank**	**New Plastic (PVC)**	**SDR17**	**0**	**630**
4.5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR17**	**630**	**730**

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STATE OF TEXAS WELL REPORT for Tracking #491763

Owner:	**GLEN SCREWS**	Owner Well #:	**No Data**
Address:	**11701 BEE CAVE RD., STE. 201 AUSTIN, TX 78738**	Grid #:	**58-42-5**
Well Location:	**11 HEDGE LANE AUSTIN, TX 78746**	Latitude:	**30° 18' 42.24" N**
		Longitude:	**097° 49' 58.44" W**
Well County:	**Travis**	Elevation:	**No Data**
Type of Work:	**New Well**	Proposed Use:	**Domestic**

Drilling Start Date: **8/6/2018** Drilling End Date: **8/6/2018**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9	**0**	**100**
6.125	**100**	**770**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**100**	**TYPE H CEMENT 12 Bags/Sacks**
0	**100**	**QUICK GEL 2 Bags/Sacks**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **20**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **N/A**

Method of Verification: **OWNER**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap at 100 ft.**
BURLAP & PLASTIC at 120 ft.
BURLAP & PLASTIC at 300 ft.
BURLAP & PLASTIC at 500 ft.
BURLAP & PLASTIC at 660 ft.

Type of Pump: **Submersible** Pump Depth (ft.): **740**

Well Tests: **Jetted** **Yield: 25+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
670 - 770	**COW CREEK**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**

2520 Hwy. 290 West
Dripping Springs, TX 78620

Driller Name: **MARTIN DALE LINGLE** License Number: **54813**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**ROCK**
1	**24**	**BROWN LIMESTONE**
24	**105**	**GRAY LIMESTONE**
105	**160**	**BROWN LIMESTONE**
160	**280**	**GRAY LIMESTONE**
280	**430**	**TAN/GRAY LIMESTONE**
430	**470**	**TAN LIMESTONE**
470	**540**	**GRAY LIMESTONE**
540	**770**	**TAN LIMESTONE**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**	**SDR17**	**2**	**670**
5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR17**	**670**	**770**

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Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #443050

Owner:	**BRENT & HILLARY BELLM**	Owner Well #:	**No Data**
Address:	**6304 AYRES AUSTIN, TX 78669**	Grid #:	**58-42-5**
Well Location:	**6304 AYRES AUSTIN, TX 78669**	Latitude:	**30° 19' 06.3" N**
		Longitude:	**097° 49' 04.68" W**
Well County:	**Travis**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Irrigation**

Drilling Start Date: **1/25/2017** Drilling End Date: **1/25/2017**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
9	**0**	**520**
6.125	**520**	**730**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**520**	**TYPE H CEMENT 120 Bags/Sacks**
0	**520**	**QUICK GEL 7 Bags/Sacks**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **5**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **10**

Method of Verification: **TAPE MEASURE**

Surface Completion: **Surface Sleeve Installed** **Surface Completion by Driller**

Water Level: **No Data**

Packers: **Burlap at 500 ft.**
BURLAP & PVC at 510 ft.
BURLAP & PVC at 520 ft.

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 40 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
520 - 730	**MIDDLE TRINITY**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Centex Pump & Supply, Inc.**

2520 Hwy. 290 West
Dripping Springs, TX 78620

Driller Name: **MARTIN DALE LINGLE, JR.** License Number: **54813**

Comments: **No Data**

Report Amended on 3/28/2017 by Request #21049

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**TOP SOIL**
1	**3**	**ROCK**
3	**60**	**BROWN LIMESTONE**
60	**220**	**GRAY LIMESTONE**
220	**240**	**TAN/GRAY LIMESTONE**
240	**270**	**GRAY LIMESTONE**
270	**470**	**TAN & GRAY LIMESTONE**
470	**510**	**BROWN LIMESTONE**
510	**700**	**TAN LIMESTONE**
700	**730**	**GRAY LIMESTONE**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia (in.)	Type	Material	Sch./Gage	Top (ft.)	Bottom (ft.)
5	**Blank**	**New Plastic (PVC)**	**SDR17**	**2**	**630**
5	**Perforated or Slotted**	**New Plastic (PVC)**	**SDR17 0.032**	**630**	**730**

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(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #398371

Owner:	**Dan Bautch**	Owner Well #:	**No Data**
Address:	**6004 Northern Dancer Austin, TX 78746**	Grid #:	**58-42-5**
Well Location:	**6004 Northern Dancer Austin, TX 78746**	Latitude:	**30° 19' 07" N**
		Longitude:	**097° 48' 56" W**
Well County:	**Travis**	Elevation:	**850 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **5/18/2015** Drilling End Date: **5/22/2015**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
10	**0**	**10**
8.75	**25**	**100**
6.75	**100**	**790**

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**25**	**7 cement**
25	**100**	**12 bentonite**

Seal Method: **pressure cemented**

Sealed By: **Derek Scott**

Distance to Property Line (ft.): **No Data**

Distance to Septic Field or other concentrated contamination (ft.): **No Data**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **No Data**

Surface Completion: **Pitless Adapter Used**

Water Level: **397 ft.** below land surface on **2015-05-26** Measurement Method: **Unknown**

Packers: **neoprene 110, 115, 500, 600, 715, 725, 730**

Type of Pump: **Submersible** Pump Depth (ft.): **680**

Well Tests: **Jetted** **Yield: 60 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**Trinity**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**

185 Angel Fire Dr.
Dripping Springs, TX 78620

Driller Name: **Jim Blair** License Number: **54416**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**2**	**topsoil & fill**
2	**10**	**caliche**
10	**45**	**tan limestone**
45	**310**	**gray limestone**
310	**390**	**tan limestone w/ brown shale**
390	**490**	**gray limestone**
490	**600**	**tan limestone**
600	**690**	**gray & tan limestone**
690	**720**	**clay**
720	**790**	**gray sandstone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
8 5/8	**new**	**sch. 40 steel**	**0 25**
4.5	**new**	**sdr-17 pvc**	**0 790**
perf			**730-790**

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Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #392392

Owner:	**Pryor Custom Homes, Randy Pryor**	Owner Well #:	**No Data**
Address:	**12400 Hwy 71 West, Ste 350-241 Austin, TX 78738**	Grid #:	**58-42-5**
		Latitude:	**30° 18' 29" N**
Well Location:	**1 Cousteau Lane Austin, TX 78746**	Longitude:	**097° 49' 48" W**
Well County:	**Travis**	Elevation:	**1137 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **2/19/2015** Drilling End Date: **3/12/2015**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**1000**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
36	**327**	**18 bgs bentonit**
327	**670**	**sand 4 yards**
700		**12 Type H**

Seal Method: **Pos. displacement**

Sealed By: **Driller**

Distance to Property Line (ft.): **50+**

Distance to Septic Field or other concentrated contamination (ft.): **40**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **494 ft.** below land surface on **2014-02-24** Measurement Method: **Unknown**

Packers: **Shale Packer 700**
6-Mil Poly 705
Shale Packer 706
6-Mil Poly 711
Shale Packer 712
6-Mil Poly 717
Shale Packer 718

Type of Pump: **Submersible** Pump Depth (ft.): **800**

Well Tests: **Jetted** **Yield: 40+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
840/1000	**Good TDS 1100**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

PO Box 525
Dripping Springs, TX 78620

Driller Name: **Martin Lingle** License Number: **54813**

Comments: **additional information: Annular Seal Data:**
36' to 0 16 sacks Type H cement

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Topsoil**
1	**20**	**Brown limestone Hard**
20	**21**	**Brown gray limestone**
21	**23**	**Gray limestone**
23	**200**	**Gray tan limestone**
200	**220**	**Tan limestone**
220	**285**	**Gray tan limestone**
285	**300**	**Gray limestone shale**
300	**340**	**Gray tan limestone**
340	**370**	**Brown white limestone**
370	**400**	**Tan limestone**
400	**660**	**Tan white limestone**
660	**690**	**Gray clay**
690	**700**	**Gray limestone**
700	**740**	**Gray white brown limestone**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	**New**	**Plastic PVC SDR-17**	**+2 / 900**
4.5	**New**	**Slotted PVC SDR-17**	**900/1000 0.35**

740	**801**	**White tan limestone**
801	**820**	**Light brown-dark brown limestone**
820	**860**	**Tan white brown limestone**
860	**900**	**Brown limestone**
900	**1000**	**Conglomerate**

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #369032

Owner:	**Norman Risinger**	Owner Well #:	**No Data**
Address:	**18 Cicero Lane Austin, TX 78746**	Grid #:	**58-42-4**
Well Location:	**18 Cicero Lane Austin, TX 78746**	Latitude:	**30° 18' 32" N**
		Longitude:	**097° 50' 09" W**
Well County:	**Travis**	Elevation:	**784 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **6/23/2014** Drilling End Date: **6/25/2014**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**980**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**120**	**3hlplg11bnsl5tH**

Seal Method: **Pos. Displacement**

Sealed By: **Driller**

Distance to Property Line (ft.): **30**

Distance to Septic Field or other concentrated contamination (ft.): **50**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **233 ft.** below land surface on **2014-06-24** Measurement Method: **Unknown**

Packers: **6Mil Poly-Shale Packer 120**
6Mil Poly 140
6Mil Poly 200
6Mil Poly 400
6Mil Poly 600
6Mil Poly 700
6Mll Poly 740

Type of Pump: **Submersible** Pump Depth (ft.): **800**

Well Tests: **Jetted** **Yield: 30+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
880/ 980	**Good TDS 700**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

PO Box 525
Dripping Springs, TX 78620

Driller Name: **Martin Lingle** License Number: **54813**

Apprentice Name: **Travis Haffelder** Apprentice Number: **58603**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**35**	**Tan brown limestone**
35	**155**	**Gray limestone**
155	**200**	**Tan brown limestone**
200	**235**	**Light gray limestone**
235	**240**	**Dark gray/white limestone**
240	**360**	**Light gray limestone**
360	**585**	**Tan brown limestone**
585	**630**	**Gray limestone**
630	**670**	**Gray clay**
670	**700**	**Tan brown limestone**
700	**740**	**Red sandstone fractured**
740	**760**	**Tan limestone fractured**
760	**780**	**Red sandstone fractured**
780	**800**	**Light tan limestone fractured**
800	**975**	**Calcite**
975	**980**	**Blue rock**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	**New**	**PVC-SDR 17IB**	**+2 to 880**
4.5	**New**	**PVC-17 Slotted .035**	**880 to 980**

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #345229

Owner: **Hamill**

Address: **2204 manana**
Austin, TX 78730

Well Location: **2204 manana**
Austin, TX 78730

Well County: **Travis**

Owner Well #: **No Data**

Grid #: **58-42-5**

Latitude: **30° 19' 01" N**

Longitude: **097° 49' 01" W**

Elevation: **No Data**

****Plugged Within 48 Hours****

****This well has been plugged****

Plugging Report Tracking #143647

Type of Work: **New Well**

Proposed Use: **Closed-Loop Geothermal**

Drilling Start Date: **10/24/2013** Drilling End Date: **10/29/2013**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**4.5**	**0**	**300**

Drilling Method: **Air Rotary**

Borehole Completion: **Filter Packed**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Filter Material*	*Size*
Filter Pack Intervals:	**20**	**300**	**Gravel**	**3/8**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**20**	**3 bentonnite**

Seal Method: **Poured**

Sealed By: **Driller**

Distance to Property Line (ft.): **25**

Distance to Septic Field or other concentrated contamination (ft.): **55**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **owner**

Surface Completion: **Alternative Procedure Used**

Water Level: **120 ft.** below land surface on **No Data** Measurement Method: **Unknown**

Packers: **No Data**

Type of Pump: **No Data**

Well Tests: **No Test Data Specified**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Sarris drilling**

p o box 962920
El paso, TX 79996

Driller Name: **Anthony Sarris** License Number: **58870**

Comments: **13 new closed loop geothermal wells drilled 0 - 300**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

From (ft)	To (ft)	Description
0	**-8**	**clay**
8	**-70**	**limestone**
70	**-300**	**limestone and grey shale**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
one inch new polyethlene pipe 0 - 300			

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #320670

Owner:	**Terry Scarborough**	Owner Well #:	**1**
Address:	**9 Coleridge Austin, TX 78746**	Grid #:	**58-42-5**
Well Location:	**9 Coleridge Austin, TX 78746**	Latitude:	**30° 19' 16" N**
		Longitude:	**097° 49' 51" W**
Well County:	**Travis**	Elevation:	**840 ft. above sea level**

Type of Work: **New Well** Proposed Use: **Irrigation**

Drilling Start Date: **3/26/2013** Drilling End Date: **4/5/2013**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
10	**0**	**10**
8	**10**	**100**
6.75	**100**	**590**

Drilling Method: **Air Rotary**

Borehole Completion: **Open Hole**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**2**	**1 cement**
2	**100**	**18 bentonite**

Seal Method: **pressure cemented**

Sealed By: **Steve Stewart**

Distance to Property Line (ft.): **15**

Distance to Septic Field or other concentrated contamination (ft.): **none**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **tape**

Surface Completion: **Pitless Adapter Used**

Water Level: **426 ft.** below land surface on **2013-04-02** Measurement Method: **Unknown**

Packers: **neoprene 100, 110, 490, 545, 550**

Type of Pump: **Submersible** Pump Depth (ft.): **560**

Well Tests: **Jetted** **Yield: 70 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
No Data	**No Data**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Bee Cave Drilling, Inc.**

185 Angel Fire Dr.
Dripping Springs, TX 78620

Driller Name: **Jim Blair** License Number: **54416**

Apprentice Name: **Steve Stewart**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**3**	**topsoil**
3	**8**	**tan limestone**
8	**75**	**white limestone**
75	**360**	**tan limestone**
360	**400**	**gray limestone wb 2 gpm**
400	**420**	**gray shale**
420	**510**	**gray limestone**
510	**530**	**gray limestone wb 20 gpm**
530	**590**	**tan & white limestone wb 70 gpm 1600 tds**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5"	**new**	**sdr-17**	**0 550**
4.5"	**new**	**perf**	**550 590**

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #308446

Owner:	**Ed Burbach**	Owner Well #:	**No Data**
Address:	**3 Beecher Ln. Austin, TX 78746**	Grid #:	**58-42-4**
Well Location:	**3 Beecher Ln Austin, TX 78746**	Latitude:	**30° 19' 08" N**
		Longitude:	**097° 50' 02" W**
Well County:	**Travis**	Elevation:	**No Data**

Type of Work: **New Well** Proposed Use: **Irrigation**

Drilling Start Date: **11/2/2012** Drilling End Date: **11/2/2012**

Borehole:

Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
8	**0**	**100**
6.5	**100**	**585**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

Annular Seal Data:

Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
0	**100**	**1-Port 9-Bens**

Seal Method: **Pressure**

Sealed By: **Driller**

Distance to Property Line (ft.): **30**

Distance to Septic Field or other concentrated contamination (ft.): **50+**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **Landowner**

Surface Completion: **Surface Sleeve Installed**

Water Level: **No Data**

Packers: **Burlap/Neoprene 455', 450', 440', 105', 100'**

Type of Pump: **No Data**

Well Tests: **Jetted** **Yield: 45 GPM**

Water Quality:

Strata Depth (ft.)	Water Type
455-568	**M. Trinity**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Apex Drilling, Inc.**

P.O. Box 867
Marble Falls, TX 78654

Driller Name: **Andrew Jackson Johnson** License Number: **54989**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Topsoil**
1	**11**	**Tan Limestone**
11	**385**	**Gray/Tan Limestone**
385	**440**	**Tan Limestone**
440	**455**	**Tan/Gray Limestone**
455	**485**	**Tan Limestone**
485	**568**	**Gray/Tan Limestone**
568	**583**	**Gray Limestone**
583	**585**	**Gray Clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
4.5'' (5'' OD) New PVC +2' to 465' SDR17
4.5'' (5'' OD) New Slotted PVC 465' to 485' .035
4.5'' (5'' OD) New PVC 485' to 525' SDR17
4.5'' (5'' OD) New Slotted PVC 525' to 565' .035
4.5'' (5'' OD) New PVC 565' to 585' SDR17

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #292577

Owner:	**Fred Andrews**	Owner Well #:	**1**
Address:	**8 Ehrlich Road Austin, TX 78746**	Grid #:	**58-42-4**
		Latitude:	**30° 18' 14" N**
Well Location:	**8 Ehrlich Road Austin, TX 78746**	Longitude:	**097° 50' 03" W**
Well County:	**Travis**	Elevation:	**927 ft. above sea level**

Type of Work: **New Well** Proposed Use: **Irrigation**

Drilling Start Date: **6/12/2012** Drilling End Date: **6/13/2012**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**740**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**2**	**100**	**6ptln4bnsl1hlpg**

Seal Method: **Pos. Displacement**

Sealed By: **Driller**

Distance to Property Line (ft.): **8'**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **490 ft.** below land surface on **2012-06-18** Measurement Method: **Unknown**

Packers: **N/A**

Type of Pump: **Submersible** Pump Depth (ft.): **680**

Well Tests: **Jetted** **Yield: 20+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
680'/740'	**Good**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Service**

P.O. Box 525
Dripping Springs, TX 78620

Driller Name: **Martin Lingle** License Number: **54813**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**2**	**Topsoil**
2	**15**	**Brown Sandstone Rock**
15	**38**	**Brown Limestone**
38	**44**	**Gray Limestone**
44	**46**	**Brown Limestone**
46	**93**	**Gray Limestone**
93	**400**	**Brown Gray Tan Limestone**
400	**440**	**Dark Gray Limestone**
440	**740**	**No Return**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Type	Setting From/To (ft.)
4.5	**New**	**PVC-SDR 17IB**	**+2'/680'**
4.5	**New**	**PVC-17 Slotted .035**	**680'/740'**

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

STATE OF TEXAS WELL REPORT for Tracking #287362

Owner:	**Matt Shoberg**	Owner Well #:	**1**
Address:	**5824 Sunset Ridge Austin, TX 78735**	Grid #:	**58-42-4**
Well Location:	**9 St. Stephens School Road Austin, TX 78746**	Latitude:	**30° 18' 16" N**
		Longitude:	**097° 50' 08" W**
Well County:	**Travis**	Elevation:	**937 ft. above sea level**
Type of Work:	**New Well**	Proposed Use:	**Irrigation**

Drilling Start Date: **4/30/2012** Drilling End Date: **5/2/2012**

	Diameter (in.)	*Top Depth (ft.)*	*Bottom Depth (ft.)*
Borehole:	**7.875**	**0**	**740**

Drilling Method: **Air Rotary**

Borehole Completion: **Straight Wall**

	Top Depth (ft.)	*Bottom Depth (ft.)*	*Description (number of sacks & material)*
Annular Seal Data:	**0**	**100**	**1hlpg5bnsl15ptl**

Seal Method: **Pos. Displacement**

Sealed By: **Driller**

Distance to Property Line (ft.): **25**

Distance to Septic Field or other concentrated contamination (ft.): **N/A**

Distance to Septic Tank (ft.): **No Data**

Method of Verification: **measured**

Surface Completion: **Pitless Adapter Used**

Water Level: **475 ft.** below land surface on **2012-05-02** Measurement Method: **Unknown**

Packers: **6MIL Poly 100'**
6MIL Poly 200'
6MIL Poly 300'
6MIL Poly 400'
6MIL Poly 500'
6MIL Poly 600'
6MIL Poly/Shale Packer 660'

Type of Pump: **Submersible** Pump Depth (ft.): **660**

Well Tests: **Jetted** **Yield: 25+ GPM**

Water Quality:

Strata Depth (ft.)	Water Type
660/740	**Good**

Chemical Analysis Made: **No**

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in the report(s) being returned for completion and resubmittal.

Company Information: **Whisenant & Lyle Water Services**

P.O. Box 525
Dripping Springs, TX 78620

Driller Name: **Martin Lingle** License Number: **54813**

Comments: **No Data**

Lithology:
DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	**1**	**Topsoil**
1	**16**	**Brown Limestone**
16	**17**	**Void**
17	**42**	**Brown Clay Limestone**
42	**110**	**Gray Limestone**
110	**113**	**Brown Limestone**
113	**166**	**Gray Limestone**
166	**210**	**Light Brown Limestone**
210	**540**	**Gray Brown Limestone**
540	**600**	**Brown White Limestone**
600	**620**	**Brown Gray Limestone**
620	**735**	**Tan Limestone**
735	**740**	**Gray Clay**

Casing:
BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Used Type Setting From/To (ft.)
4.5 New PVC-SDR 17IB +2'/660'
4.5 New PVC-17 Slotted .035 660'/720'
4.5 New PVC-SDR 17IB 720'/740'

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Texas Department of Licensing and Regulation
P.O. Box 12157
Austin, TX 78711
(512) 334-5540

Alan Barraza

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Thursday, May 29, 2025 3:08 PM
To: Alan Barraza
Cc: Hannah Zellner
Subject: RE: NOD WQ0015473001
Attachments: ADDIE SOIL MAP.pdf; Cropping Plan.docx; Please see soils map.pdf

Ok guys, thanks for working with me. Attached should be everything except the effluent data, which I should send tomorrow.

From: Jeff Goebel
Sent: Friday, May 23, 2025 11:58 AM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Hi Alan and Hannah,
I've attached all the documents I believe satisfy the NOD requirements, with the exception of Worksheet 3.0 Section 7 and the Seeps and Springs Plan. I expect to have Worksheet 3.0 completed by next week.
We're also still waiting on the Seeps and Springs Plan, which should be finalized after the anticipated rain this coming Tuesday. As of today, the sampling data for the annual submission has not yet been collected.
Please let me know as soon as possible if I've missed anything.
Thank you for your patience,
Jeff Goebel

From: Jeff Goebel
Sent: Friday, May 9, 2025 11:31 AM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>; Firoj Vahora <fbvahora@yahoo.com>
Subject: RE: NOD WQ0015473001

Alan,

Attached is the soil samples.
Effluent samples are being taken tomorrow.
Seeps plan will be done on the next rain event

The rest must come from our engineer. Although I though he was intown and working on it, he's out of town and will not be back unit the 16th. With that, he will need until the 30 to reply to the other requests.

Hopefully we will have everything buttoned up before the end of the month.

I apricate your patience and working with us on this renewal

From: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Sent: Friday, May 9, 2025 10:43 AM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Carey Thomas <cthomas@undinellc.com>; Andy Thomas <athomas@undinellc.com>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Good morning,

Per the extension allotted last week, the response to NODs is due today. Do you have any updates? Please note that failure to provide a response to the NOD by close of business today will result in the application ceasing to be processed and returned to you. Thank you.

Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753

From: Alan Barraza
Sent: Monday, April 28, 2025 2:50 PM
To: jgoebel@undinellc.com
Cc: cthomas@undinellc.com; athomas@undinellc.com; Hannah Zellner <Hannah.Zellner@tceq.texas.gov>
Subject: NOD WQ0015473001

Good afternoon Mr. Goebel,

We have attempted to resolve the attached NODs for the Undine Texas Environmental, LLC permit application several times without any response. Do you have any updates/questions/concerns regarding the pending NODS? Please note if we do not receive a response by May 1st, the application will be returned to you. Thank you.

Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753

SOIL CLASSIFICATIONS

BID—BRACKETT-ROCK OUTCROP COMPLEX
TYPICAL PROFILE
A – 0 to 6 inches: gravelly clay loam
Bw – 6 to 18 inches: clay loam
Cr – 18 to 60 inches: bedrock
PROPERTIES AND QUALITIES
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 1.98 in/hr)
Depth to water table: More than 80 inches
Hydrologic Soil Group: D
Hydric soil rating: No

BOF—BRACKETT-ROCK OUTCROP-REAL COMPLEX
TYPICAL PROFILE
A – 0 to 6 inches: gravelly clay loam
Bk – 6 to 14 inches: gravelly clay loam
Cr – 14 to 60 inches: bedrock
PROPERTIES AND QUALITIES
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to high (0.06 to 1.98 in/hr)
Depth to water table: More than 80 inches
Hydrologic Soil Group: D
Hydric soil rating: No

FILE NAME:
USDA WEB SOIL SURVEY

HEARN ENGINEERING INC.
P.O. BOX 1104
CAMERON, TEXAS 76520
PH (512) 310-0176
FIRM NO. F-1234

UNDINE L.L.C.
THE ADDIE WASTEWATER SYSTEM
SOIL MAP
TRAVIS CO., TEXAS

DESIGNED BY: DCH
DRAWN BY: ACH
CHECKED BY: DCH
SCALE: 1"=200'
DATE: 5/2025

SHEET 1 OF 1

1. Soils Map with Crops

Please see submitted soil map

---

2. Cool and Warm Season Plant Species

Season	Species
Cool Season	Ryegrass,
Warm Season	ermudagrass,

---

3. Crop Yield Goals

Crop	Yield Goal (tons/acre/year)
Alfalfa	6–8
Tall Fescue	5–7
Ryegrass	3–5
Sorghum-Sudan	5–9
Barley	2–3
Bermudagrass	4–6

---

4. Crop Growing Season

Crop	Planting	Harvest
Ryegrass	Sept–Oct	Mar–June
Alfalfa	Mar–Apr	May–Oct (3–5 cuts)
Sorghum-Sudan	May–June	Aug–Sept
Barley	Nov–Dec	May

Crop	Planting	Harvest
Tall Fescue	Sept–Oct	Apr–June

---

5. Crop Nutrient Requirements (per acre/year)

Crop	N (lbs)	P (lbs)	K (lbs)
Alfalfa	0–50*	60–90	200–300
Tall Fescue	150–200	40–60	100–150
Ryegrass	100–150	30–50	80–120
Sorghum-Sudan	120–180	40–50	120–180
Barley	80–100	30–40	60–80

*Alfalfa fixes nitrogen, so minimal N needed.

---

6. Additional Fertilizer Requirements

- Not needed

---

7. Minimum/Maximum Harvest Height (Grass Crops)

Crop	Min Harvest Height	Max Before Harvest
Tall Fescue	3 inches	12–15 inches
Ryegrass	2–3 inches	10–12 inches
Bermudagrass	2 inches	6–8 inches
Sudan Grass	6 inches	30–36 inches

---

8. Supplemental Watering Requirements

Crop	Supplemental Irrigation Need (inches/season)
Alfalfa	4–8 (if rainfall is low)
Sorghum-Sudan	Usually minimal (uses effluent)
Ryegrass	3–6
Bermudagrass	2–4

Depends.on.rainfall.and.effluent.availability¡

---

9. Crop Salt Tolerances

Crop	Salinity Tolerance (ECe dS/m)
Alfalfa	Moderate (1.5–2.0)
Tall Fescue	Moderate (2.5–4.0)
Ryegrass	Low to moderate (2.0–3.0)
Sorghum-Sudan	High (5.0–6.0)
Bermudagrass	Very High (6.0+)

Select.crops.based.on.soil.and.effluent.salinity¡

---

10. Harvesting Method / Number of Harvests

Crop	Harvest Method	Harvests/Season
Alfalfa	Mower/Swather	3–5
Tall Fescue	Mower/Bale	2–3
Sorghum-Sudan	Chopper/Hay	1–2
Ryegrass	Mower	1–2
Bermudagrass	Mower/Bale	3–4

---

11. Justification for Not Removing Existing Vegetation

- **Existing vegetation (e.g., tall fescue, ryegrass, or native grasses)** may already be **adapted to site conditions**, especially **soil salinity**, **climate**, and **existing weed competition**.
- Root systems of existing vegetation help prevent **erosion**, **enhance infiltration**, and **improve soil structure**.
- Reducing soil disturbance by not replanting helps **preserve soil organic matter** and **avoid weed proliferation**.
- **Cost-effective**: No need for land preparation, seeding, or establishing new root systems.
- If vegetation meets yield and nutrient uptake goals, it is **sustainable to maintain** with periodic mowing or harvesting.

If water quality data or well log information is available please include the information in an attachment listed by Well ID.

Attachment: Click to enter text.

Section 7. Groundwater Quality (Instructions Page 68)

Attach a Groundwater Quality Technical Report which assesses the impact of the wastewater disposal system on groundwater. This report shall include an evaluation of the water wells (including the information in the well table provided in Item 6. above), the wastewater application rate, and pond liners. Indicate by a check mark that this report is provided.

Attachment: Click to enter text.

Are groundwater monitoring wells available onsite? ☐ Yes ☒ No

Do you plan to install ground water monitoring wells or lysimeters around the land application site? ☐ Yes ☒ No

If yes, provide the proposed location of the monitoring wells or lysimeters on a site map.

Attachment: Click to enter text.

Section 8. Soil Map and Soil Analyses (Instructions Page 69)

A. Soil map

Attach a USDA Soil Survey map that shows the area to be used for effluent disposal.

Attachment: Click to enter text.

B. Soil analyses

Attach the laboratory results sheets from the soil analyses. **Note**: for renewal applications, the current annual soil analyses required by the permit are acceptable as long as the test date is less than one year prior to the submission of the application.

Attachment: Click to enter text.

List all USDA designated soil series on the proposed land application site. Attach additional pages as necessary.

Table 3.0(4) – Soil Data

Soil Series	Depth from Surface	Permeability	Available Water Capacity	Curve Number
Please see soil map				

Alan Barraza

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Thursday, May 29, 2025 3:37 PM
To: Alan Barraza; Hannah Zellner
Subject: Fwd: The Addie WQ0015473001
Attachments: image001.png; Addie Effluent Monitoring.pdf

Let me know if you need anything else
Thank you
Jeff Goebel

Sent from my iPhone

Begin forwarded message:

> **From:** Maranda Bretts <mbretts@sienviro.com>
> **Date:** May 29, 2025 at 4:29:36 PM CDT
> **To:** Jeff Goebel <jgoebel@undinellc.com>, srudd@aqua-techlabs.com
> **Cc:** William Abshire <wabshire@sienviro.com>, Marshall James <mjames@sienviro.com>
> **Subject: RE: The Addie**
>
>
>
> Hi Jeff,
>
> Please find attached a completed Effluent Monitoring spreadsheet requested for The Addie. Let us know if you have any questions.
>
> Regards,
> **Maranda Bretts**
> **Account Manager Assistant**
> mbretts@sienviro.com
> Office: 512.738.8840
> 2306 RR 620 N | Austin, TX. 78734
>
>

Section 9. Effluent Monitoring Data (Instructions Page 70)

Is the facility in operation? (Start-up date: Aug-23)

☒ Yes ☐ No

If no, this section is not applicable and the worksheet is complete.
If yes, provide the effluent monitoring data for the parameters regulated in the existing permit. If a parameter is not regulated in the existing permit, enter N/A.

Table 3.0(5) – Effluent Monitoring Data

Date	30 Day Avg Flow MGD	BOD5 mg/l	TSS mg/l	pH	Chlorine Residual mg/l	Acres irrigated
Aug-23	0.001	1.8	6.5	7.3	2.3	2.07
Sep-23	0.002	2.3	16.8	7.0	2.3	2.07
Oct-23	0.001	2.0	8.8	7.4	1.9	2.07
Nov-23	0.002	2.8	15.2	7.2	1.7	2.07
Dec-23	0.002	3.0	15.8	6.4	1.4	2.07
Jan-24	0.003	2.4	12.0	7.0	1.6	2.07
Feb-24	0.002	2.5	10.8	7.2	1.4	2.07
Mar-24	0.002	3.8	9.0	6.3	1.2	2.07
Apr-24	0.003	5.8	12.5	7.2	2.0	2.07
May-24	0.003	6.8	17.2	6.5	2.8	2.07
Jun-24	0.003	2.5	13.0	6.0	2.5	2.07
Jul-24	0.003	2.2	6.8	6.6	2.1	2.07
Aug-24	0.003	4.8	18.3	6.4	2.6	2.07
Sep-24	0.003	2.5	8.3	6.1	2.1	2.07
Oct-24	0.003	3.0	12.8	7.0	2.0	2.07
Nov-24	0.003	3.5	14.5	6.8	2.2	2.07
Dec-24	0.003	3.8	10.6	6.8	1.9	2.07
Jan-25	0.003	3.0	6.8	6.5	1.4	2.07
Feb-25	0.003	4.5	12.0	6.8	1.1	2.07
Mar-25	0.003	2.5	7.5	7.0	1.1	2.07
Apr-25	0.003	1.2	4.6	6.7	1.5	2.07

Provide a discussion of all persistent excursions above the permitted limits and any corrective actions taken.

N/A - No excursions.

Alan Barraza

From: Hannah Zellner
Sent: Friday, May 30, 2025 7:16 AM
To: Jeff Goebel
Cc: Alan Barraza
Subject: RE: NOD WQ0015473001
Attachments: RE: Seeps and Springs monitoring; SeepsSpringsMap.pdf; 15473 _Spring&Seep_Plan_Approval_Feb2024.pdf; Permit 15473001 (1).pdf

Hi Jeff,

To be clear, what I emailed you on the 21st is the approved Seeps and Springs Plan. The facility just needs to follow it and sample the seeps and springs onsite (identified in the "SeepsSpringsMap" attachment), check for additional seeps and springs quarterly, and submit that data annually in September. If you haven't been doing that, please begin now, but otherwise we don't need to hold up the permit for it.

Please let me know if you have any questions,

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087
512-239-2908

From: Jeff Goebel <jgoebel@undinellc.com>
Sent: Thursday, May 29, 2025 4:08 PM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Ok guys, thanks for working with me. Attached should be everything except the effluent data, which I should send tomorrow.

From: Jeff Goebel
Sent: Friday, May 23, 2025 11:58 AM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Hi Alan and Hannah,
I've attached all the documents I believe satisfy the NOD requirements, with the exception of Worksheet 3.0 Section 7 and the Seeps and Springs Plan. I expect to have Worksheet 3.0 completed by next week.

We're also still waiting on the Seeps and Springs Plan, which should be finalized after the anticipated rain this coming Tuesday. As of today, the sampling data for the annual submission has not yet been collected.
Please let me know as soon as possible if I've missed anything.
Thank you for your patience,
Jeff Goebel

From: Jeff Goebel
Sent: Friday, May 9, 2025 11:31 AM
To: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Cc: Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>; Firoj Vahora <fbvahora@yahoo.com>
Subject: RE: NOD WQ0015473001

Alan,

Attached is the soil samples.
Effluent samples are being taken tomorrow.
Seeps plan will be done on the next rain event

The rest must come from our engineer. Although I though he was intown and working on it, he's out of town and will not be back unit the 16th. With that, he will need until the 30 to reply to the other requests.

Hopefully we will have everything buttoned up before the end of the month.

I apricate your patience and working with us on this renewal

From: Alan Barraza <Alan.Barraza@tceq.texas.gov>
Sent: Friday, May 9, 2025 10:43 AM
To: Jeff Goebel <jgoebel@undinellc.com>
Cc: Carey Thomas <cthomas@undinellc.com>; Andy Thomas <athomas@undinellc.com>; Hannah Zellner <Hannah.Zellner@Tceq.Texas.Gov>
Subject: RE: NOD WQ0015473001

Good morning,

Per the extension allotted last week, the response to NODs is due today. Do you have any updates? Please note that failure to provide a response to the NOD by close of business today will result in the application ceasing to be processed and returned to you. Thank you.

Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753

From: Alan Barraza
Sent: Monday, April 28, 2025 2:50 PM
To: jgoebel@undinellc.com
Cc: cthomas@undinellc.com; athomas@undinellc.com; Hannah Zellner <Hannah.Zellner@tceq.texas.gov>
Subject: NOD WQ0015473001

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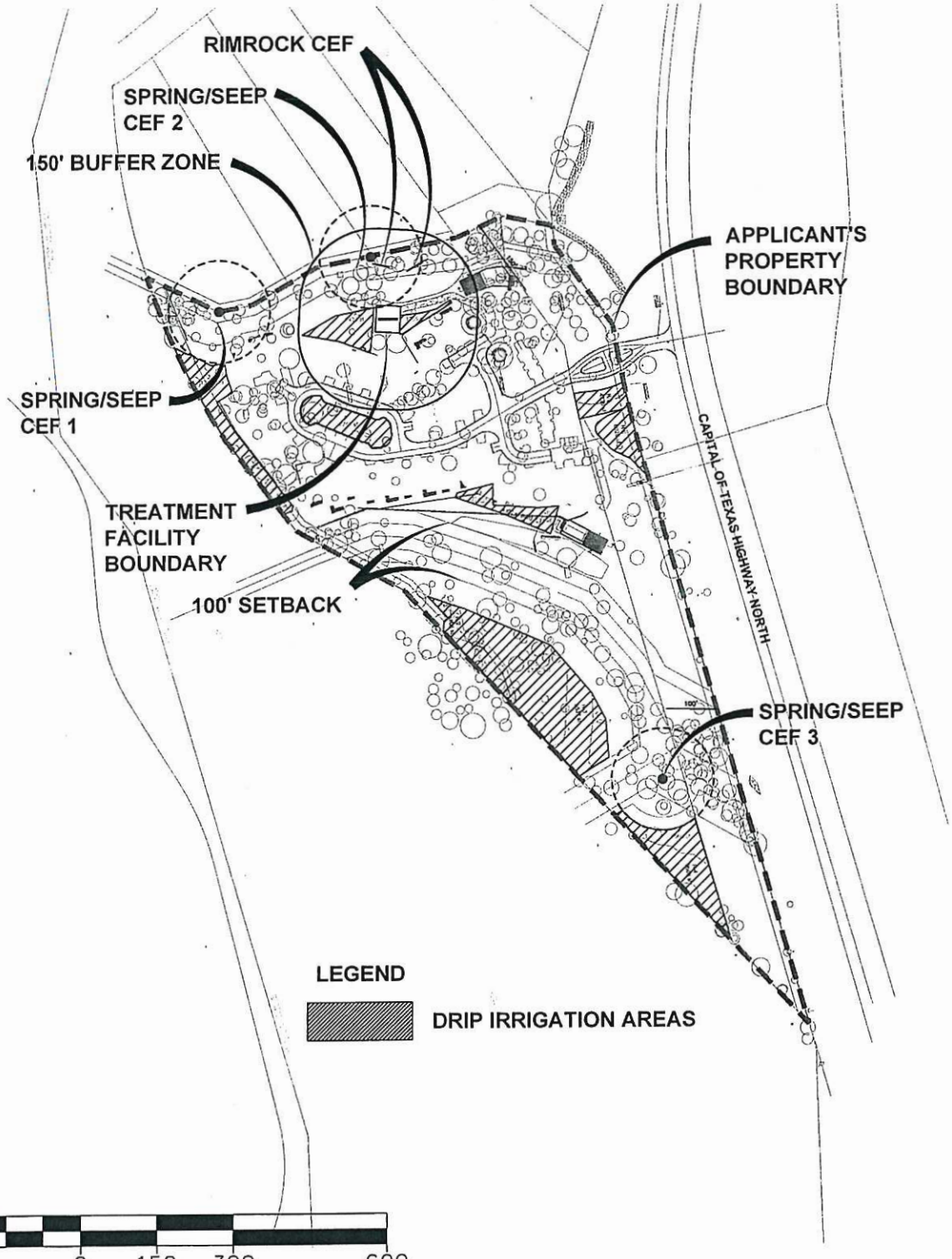
Alan Barraza
Agronomist | Water Quality Assessment
TCEQ | Water Quality Division | MC 150
Direct: 512-239-4642
Fax: 512-239-4420

12100 Park 35 Circle
Austin, TX 78753



300 0 150 300 600

1" = 300'

wwdengineering
engineered wastewater solutions
F-12009

9217 Hwy 290 W., Ste 110
Austin, Texas 78736
(512) 288-2111

ATTACHMENT-7
BUFFER ZONE MAP
THE ADDIE
AUSTIN, TEXAS

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 1, 2024 9489 0090 0027 6003 1181 06

CERTIFIED MAIL

Mr. Cade Jones
Ledgestone Development Group
7800 Shoal Creek Drive., Suite 100N
Austin, Texas 78757

Subject: Undine Texas Environmental, LLC.
Indian Hill Harbor Wastewater Treatment Facility
Springs and Seeps Monitoring Plan
Wastewater Permit Number WQ0015473001
(CN604519330; RN109199893)

Dear Mr. Jones:

The Texas Commission on Environmental Quality (TCEQ) Water Quality Division, Water Quality Assessment Team (WQAT) received a Springs and Seeps Monitoring Plan (Plan) for the subject facility dated November 27, 2023. The Plan was submitted by Ms. Erin Banks, P.E. (wwdengineering). Minor revisions were made to the Plan which were received by the WQAT on January 24, 2024. The specific requirements for the Springs/Seeps Plan are included in Special Provision #36 of the current permit. We have completed our review and the executive director has approved the Plan. Please implement the Plan upon receipt of this letter, and maintain a copy of the Plan on site for TCEQ inspection.

If you have any questions, please contact Mr. Andrew Gorton, P.G., at (512) 239-4585 or via email at Andrew.Gorton@tceq.texas.gov (preferred).

Sincerely,

G. Michael Lindner

G. Michael Lindner, Leader
Water Quality Assessment Team (MC-150)
Water Quality Division

ML/AG/sh

cc: Ms. Erin Banks, P.E., WWD Engineering
9217 Highway. 290 West, Suite 110, Austin, Texas, 78736

bcc: TCEQ, Region 11

erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be implemented within 24 hours of discovery.

30. According to 30 TAC § 222.163, Closure Requirements, the permittee shall close the system under the standards set forth in this section.

31. According to the requirements of 30 TAC § 222.43, the permittee shall notify the TCEQ Regional Office (MC Region 11) for each of the following activities:

    a. At least 30 days prior to the date the field layout and/or construction startup is scheduled to begin for the proposed subsurface drip irrigation system.

    b. At least 30 days prior to the date that construction is projected to be complete.

    c. Within 30 days after operation of the proposed subsurface drip irrigation system.

    d. If soils are imported, at least 30 days prior to completion of the soil importing project.

32. According to the requirements of 30 TAC § 222.45, the permittee shall submit a copy of the issued permit to the health department with jurisdiction in the area where the system is located before commencing operation of the proposed subsurface drip irrigation system. The permittee shall retain proof of delivery for the duration of the permit.

33. The proposed facility is located on the Contributing Zone of the Edwards Aquifer, as mapped by the TCEQ, and is subject to 30 TAC 213 Subchapter B.

34. Any recharge features uncovered by construction activities shall be addressed in an updated and certified Recharge Feature Plan (RFP). The RFP will include the best management practices implemented that will prevent impact to recharge features from wastewater application and prevent groundwater contamination. The updated certified RFP will be submitted to the TCEQ Water Quality Assessment Team (MC-150) and the TCEQ Region Office (MC Region 11).

35. The applicant will construct berms or swales that will prevent, or divert, stormwater from entering all subsurface wastewater application areas.

36. The applicant shall develop a Seeps/Springs Monitoring Plan and submit the plan to the TCEQ Water Quality Assessment Team (MC-150) for review and approval within 30 days of permit issuance. At a minimum, the plan shall include:

    a) A procedure to conduct quarterly field checks at the drip irrigation fields and down-gradient of the fields to identify emerging springs or seeps.
    b) A procedure to grab sample of springs or seeps in the event that springs/seeps develop after drip irrigation of effluent commences.
    c) Quarterly field checks and sampling (if applicable) of the springs/seeps during the spring and fall sampling events shall occur after rainfall events, if possible.
    d) Analysis of springs/seeps water for nutrients, including a complete nitrogen series [(Nitrate (as N), Nitrite (as N), Total Kjeldahl Nitrogen, ammonia as N], total phosphorus, chlorides, fecal coliform, pH, specific conductivity, and total dissolved solids.

e) A record of the quarterly checks and sampling of the springs and seeps shall be maintained in a field log and kept onsite for TCEQ inspection.

f) Monitoring of emerging and existing springs/seeps shall continue for the life of the system. The applicant shall implement the plan upon approval by the Water Quality Assessment Team. The executive director may request modification of the approved plan if future information indicates that it would be necessary for the protection of the environment.

g) The applicant shall submit the data from the Seeps/Springs Monitoring Plan to the Water Quality Assessment Team (MC-150) of the Water Quality Division and the Compliance Monitoring Section (MC-224) during the month of September of each year for review.

h) A procedure for the implementation of corrective measures to correct the discharge if laboratory analysis indicates that wastewater is emerging as a seep or spring.

37. If the permittee uses a tablet chlorinator, the permittee shall use chlorine tablets that are EPA approved and labeled for wastewater disinfection.

38. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one per quarter may be reduced to one every six months. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

Alan Barraza

From: Hannah Zellner
Sent: Wednesday, May 21, 2025 2:35 PM
To: Jeff Goebel
Subject: RE: Seeps and Springs monitoring
Attachments: 15473-001_SeepsSpringsPlan.pdf

Hi Jeff,

Scanned this copy for you.

Let me know if you have any other questions.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087
512-239-2908

From: Hannah Zellner
Sent: Monday, May 19, 2025 1:46 PM
To: Jeff Goebel <jgoebel@undinellc.com>
Subject: Seeps and Springs monitoring

Hi Jeff,

In response to your call this morning, I'm still looking for an electronic copy of the plan, but for now attached is a map from the 2019 permit action identifying three onsite seeps and springs. Special Provision 26 of the existing permit (attached) includes the following requirements for the plan:

26. The applicant shall develop a Seeps/Springs Monitoring Plan and submit the plan to the TCEQ Water Quality Assessment Team (MC-150) for review and approval within 30 days of permit issuance. At a minimum, the plan shall include:

a. A procedure to conduct quarterly field checks at the drip irrigation fields and down-gradient of the fields to identify emerging springs or seeps.
b. A procedure to grab sample of springs or seeps in the event that springs/seeps develop after drip irrigation of effluent commences.
c. Quarterly field checks and sampling (if applicable) of the springs/seeps during the spring and fall sampling events shall occur after rainfall events, if possible.
d. Analysis of springs/seeps water for nutrients, including a complete nitrogen series [(Nitrate (as N), Nitrite (as N), Total Kjeldahl Nitrogen, ammonia as N], total phosphorus, chlorides, fecal coliform, pH, specific conductivity, and total dissolved solids.

e. A record o□the quarterly checks and sampling o□the springs and seeps shall be maintained in a field log and kept onsite □or TCEQ inspection.
□. Monitoring o□emerging and existing springs/seeps shall continue □or the li□e o□the system. The applicant shall implement the plan upon approval by the Water Quality Assessment Team. The executive director may request modification o□the approved plan i□□uture in□ormation indicates that it would be necessary □or the protection o□the environment.
g. The applicant shall submit the data □rom the Seeps/Springs Monitoring Plan to the Water Quality Assessment Team (MC-150) o□the Water Quality Division and the Compliance Monitoring Section (MC-224) during the month o□September o□each year □or review.
h. A procedure □or the implementation o□corrective measures to correct the discharge i□ laboratory analysis indicates that wastewater is emerging as a seep or spring.

In summary, sample the identified seeps and springs quarterly and look □or any additional emerging seeps and springs downgradient o□the fields. The samples should be analyzed □or the constituents listed above in part d and submitted annually every year. The plan was approved last February (attached) but i□ it has not yet been implemented, that's fine □or our application review purposes. Please implement the sampling procedure as soon as possible and submit that data in September.

Hannah Zellner, P.G.

Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, TX 78711-3087
512-239-2908

TCEQ PERMIT NO. WQ0015473001
SEEPS/ SPRINGS MONITORING PLAN

Rec'd 24 Jan 2024
WQ. A Team

Springs/Seep Monitoring

Quarterly an inspection will be conducted at the drip irrigation fields and the areas immediately downgradient of the irrigation fields to identify any seeps or springs that might be evident. Quarterly inspections shall continue for the life of the system. The coordinates of any identified seeps or springs will be recorded on a base map, and if sufficient water is flowing, a grab sample will be collected from all locations of any seep or spring identified, using appropriate sampling equipment and containers. The sample(s) will occur within three days of a 0.5-inch rain if possible.

The samples from any identified seep or spring that is sampled will be properly containerized and transported to an approved laboratory for subsequent analysis. Sample collection paperwork including chain-of-custody forms will be properly completed and transported with the samples. The individual responsible for sample collection will record the following information on a sample collection log or field book and keep the information for the life of the system for TCEQ review, and shall remain on site:

^ on-site

- Project name
- Date and time of sample collection
- Sampler's name
- Station/sample identifier
- Location (coordinates or description)
- Sample matrix
- Sampling method
- Sample type (i.e. grab, composite)
- Sample depth
- Sample description
- Quantity collected
- Containers used
- Weather conditions
- Comments

The water samples will be analyzed for the following parameters:

- complete nitrogen series [(NO3+NO2-N), Total Kjeldahl Nitrogen (TKN), ammonia-N, reported separately]
- Total phosphorus
- Ortho-phosphate
- Specific conductivity
- Chlorides
- Fecal Coliform
- pH
- Total Dissolved Solids

Reporting of Results

The permittee will submit the results of the soil water/springs sample analyses to the TCEQ Water Quality Assessment Team (MC 150) of the Water Quality Division, the TCEQ Regional Office (MC Regional 11), and the Compliance Monitoring Section (MC 224) by September 30th of each year. If there are no seeps or springs identified during a sampling event over the course of the year, that shall be noted in the report. Soil water/springs monitoring will continue for the life of the system unless permission is obtained from TCEQ to discontinue or modify the sampling program.

If during the sampling results indicate that wastewater is emerging as a seep or spring corrective measures shall be implemented, which may include making any necessary repairs to the dripfield tubing and/or valves, emitters, etc., or other measures to prevent the wastewater from emerging as seeps or springs.

wwdengineering
F-12009
9217 Hwy. 290 West, Suite 110, Austin, Texas, 78736 • 512.288.2111 • F: 512.610.6950 • www.wwdengineering.net

TRANSMITTAL

DATE: **November 27, 2023**

TO: Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, Texas 78711-3087

FROM: Erin Banks, P. E.

PROJECT: VTC Addie TLAP Permit – WQ0015473001
now Undine Texas Environmental, LLC.

ENCLOSURES:

- Seeps and Springs Monitoring Plan

TCEQ PERMIT NO. WQ0015473001
SEEPS/ SPRINGS MONITORING PLAN

Springs/Seep Monitoring

Quarterly an inspection will be conducted at the drip irrigation fields and the areas immediately downgradient of the irrigation fields to identify any seeps or springs that might be evident. Quarterly inspections shall continue for the life of the system. The coordinates of any identified seeps or springs will be recorded on a base map, and if sufficient water is flowing, a grab sample will be collected from all locations of any seep or spring identified, using appropriate sampling equipment and containers. The sample(s) will occur within three days of a 0.5-inch rain if possible.

The samples from any identified seep or spring that is sampled will be properly containerized and transported to an approved laboratory for subsequent analysis. Sample collection paperwork including chain-of-custody forms will be properly completed and transported with the samples. The individual responsible for sample collection will record the following information on a sample collection log or field book and keep the information ~~for the life of the system~~ on site for TCEQ review:

- Project name
- Date and time of sample collection
- Sampler's name
- Station/sample identifier
- Location (coordinates or description)
- Sample matrix
- Sampling method
- Sample type (i.e. grab, composite)
- Sample depth
- Sample description
- Quantity collected
- Containers used
- Weather conditions
- Comments

The water samples will be analyzed for the following parameters:

- ✓ complete nitrogen series [(NO3+NO2-N), Total Kjeldahl Nitrogen (TKN), ammonia-N, reported separately]
- ✓ Total phosphorus
- Ortho-phosphate
- ✓ Specific conductivity
- ✓ Chlorides
- ✓ Fecal Coliform

pH > missing
TDS

Reporting of Results

The permittee will submit the results of the soil water/springs sample analyses to the TCEQ Water Quality Assessment Team (MC 150) of the Water Quality Division, the TCEQ Regional Office (MC Regional 11), and the Compliance Monitoring Section (MC 224) by September 30th of each year. If there are no seeps or springs identified during a sampling event over the course of the year, that shall be noted in the report. Soil water/springs monitoring will continue for the life of the system unless permission is obtained from TCEQ to discontinue or modify the sampling program.

If during the sampling results indicate that wastewater is emerging as a seep or spring corrective measures shall be implemented, which may include making any necessary repairs to the dripfield tubing and/or valves, emitters, etc., or other measures to prevent the wastewater from emerging as seeps or springs.

wwdengineering
F-12009

9217 Hwy. 290 West, Suite 110, Austin, Texas, 78736 • 512.288.2111 • F: 512.610.6950 • www.wwdengineering.net

TRANSMITTAL

DATE: **November 27, 2023**

TO: Water Quality Assessment Team/Water Quality Division
Texas Commission on Environmental Quality
MC-150
PO Box 13087
Austin, Texas 78711-3087

FROM: Erin Banks, P. E.

PROJECT: VTC Addie TLAP Permit – WQ0015473001

ENCLOSURES:

- Seeps and Springs Monitoring Plan

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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TRANSFER OF

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PERMIT NO. WQ0015473001

FROM: VTC Addie, LLC

TO: Undine Texas Environmental, LLC

Ownership of the facilities covered by the above-referenced permit issued May 29, 2020, has changed. That part of the signature page pertaining to the name and mailing address of the permit holder is hereby changed so that the same shall hereinafter be and read as follows:

"Undine Texas Environmental, LLC
17681 Telge Road
Cypress, Texas 77429"

The transferee is financially responsible for the proper maintenance and operation of the facility so as to comply with the terms and conditions of the permit. The failure to operate the facility in accordance with the terms and conditions of the permit may be good cause for revocation of the permit.

This transfer is in accordance with 30 Texas Administrative Code Section 305.64.

This order is part of the permit and should be attached there to.

Issued Date: July 15, 2021

For The Commission

erosion, stressed or damaged vegetation will be recorded in the field log kept onsite and corrective measures will be implemented within 24 hours of discovery.

30. According to 30 TAC § 222.163, Closure Requirements, the permittee shall close the system under the standards set forth in this section.

31. According to the requirements of 30 TAC § 222.43, the permittee shall notify the TCEQ Regional Office (MC Region 11) for each of the following activities:

    a. At least 30 days prior to the date the field layout and/or construction startup is scheduled to begin for the proposed subsurface drip irrigation system.

    b. At least 30 days prior to the date that construction is projected to be complete.

    c. Within 30 days after operation of the proposed subsurface drip irrigation system.

    d. If soils are imported, at least 30 days prior to completion of the soil importing project.

32. According to the requirements of 30 TAC § 222.45, the permittee shall submit a copy of the issued permit to the health department with jurisdiction in the area where the system is located before commencing operation of the proposed subsurface drip irrigation system. The permittee shall retain proof of delivery for the duration of the permit.

33. The proposed facility is located on the Contributing Zone of the Edwards Aquifer, as mapped by the TCEQ, and is subject to 30 TAC 213 Subchapter B.

34. Any recharge features uncovered by construction activities shall be addressed in an updated and certified Recharge Feature Plan (RFP). The RFP will include the best management practices implemented that will prevent impact to recharge features from wastewater application and prevent groundwater contamination. The updated certified RFP will be submitted to the TCEQ Water Quality Assessment Team (MC-150) and the TCEQ Region Office (MC Region 11).

35. The applicant will construct berms or swales that will prevent, or divert, stormwater from entering all subsurface wastewater application areas.

36. The applicant shall develop a Seeps/Springs Monitoring Plan and submit the plan to the TCEQ Water Quality Assessment Team (MC-150) for review and approval within 30 days of permit issuance. At a minimum, the plan shall include: wasn't done

    a) A procedure to conduct quarterly field checks at the drip irrigation fields and down-gradient of the fields to identify emerging springs or seeps.
    b) A procedure to grab sample of springs or seeps in the event that springs/seeps develop after drip irrigation of effluent commences.
    c) Quarterly field checks and sampling (if applicable) of the springs/seeps during the spring and fall sampling events shall occur after rainfall events, if possible.
    d) Analysis of springs/seeps water for nutrients, including a complete nitrogen series [(Nitrate (as N), Nitrite (as N), Total Kjeldahl Nitrogen, ammonia as N], total phosphorus, chlorides, fecal coliform, pH, specific conductivity, and total dissolved solids.

e) A record of the quarterly checks and sampling of the springs and seeps shall be maintained in a field log and kept onsite for TCEQ inspection.

f) Monitoring of emerging and existing springs/seeps shall continue for the life of the system. The applicant shall implement the plan upon approval by the Water Quality Assessment Team. The executive director may request modification of the approved plan if future information indicates that it would be necessary for the protection of the environment.

g) The applicant shall submit the data from the Seeps/Springs Monitoring Plan to the Water Quality Assessment Team (MC-150) of the Water Quality Division and the Compliance Monitoring Section (MC-224) during the month of September of each year for review.

h) A procedure for the implementation of corrective measures to correct the discharge if laboratory analysis indicates that wastewater is emerging as a seep or spring.

37. If the permittee uses a tablet chlorinator, the permittee shall use chlorine tablets that are EPA approved and labeled for wastewater disinfection.

38. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one per quarter may be reduced to one every six months. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

PERMIT NO. WQ0015473001

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

This (is a renewal of) Permit No. WQ0015473001 issued May 29, 2020.

PERMIT TO DISCHARGE WASTES
under provisions of Chapter 26
of the Texas Water Code

Undine Texas Environmental, LLC

whose mailing address is

17681 Telge Road
Cypress, Texas 77429

Nature of Business Producing Waste: Domestic wastewater treatment operation, SIC Code 4952.

General Description and Location of Waste Disposal System:

Description: The Addie Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include a bar screen, an aeration basin, a final clarifier, an aerobic sludge digester and chlorine contact chamber. The permittee is authorized to dispose of treated domestic wastewater effluent at a daily average flow not to exceed 0.009 million gallons per day (MGD) via public access subsurface area drip dispersal system with a minimum area of 90,000 square feet. The permittee is required to provide at least three days of temporary storage for times when the facility is out of service due to an emergency or for scheduled maintenance. Application rates shall not exceed 0.1 gallons per square foot per day. The permittee will maintain the Bermuda grass overseeded with rye grass on the disposal site.

Location: The wastewater treatment facility and disposal site are located at 800 North Capital of Texas Highway, in Travis County, Texas 78746. (See Attachment A.)

Drainage Area: The wastewater treatment facility and disposal site are located in the drainage basin of Lake Austin in Segment No. 1403 of the Colorado River. No discharge of pollutants into water in the State is authorized by this permit.

This permit and the authorization contained herein shall expire at midnight, **ten years from the date of issuance**.

ISSUED DATE:

For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Conditions of the Permit: No discharge of pollutants into water in the State is authorized.

A. Effluent Limitations

Character: Treated Domestic Sewage Effluent

Volume: Daily Average Flow – 0.009 MGD from the treatment system

Quality: The following effluent limitations shall be required:

	Effluent Concentrations (Not to Exceed)			
Parameter	Daily Average mg/l	7-Day Average mg/l	Daily Maximum mg/	Single Grab mg/l
Biochemical Oxygen Demand (5-day)	20	30	45	65
Total Suspended Solids	20	30	45	65
E. coli, CFU or MPN/ 100 ml	N/A	N/A	N/A	126

The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units.

The effluent shall be chlorinated in a chlorine contact chamber to a residual of 1.0 mg/l with a minimum detention time of 20 minutes. If the effluent is to be transferred to a holding pond or tank, re-chlorination prior to the effluent being delivered into the irrigation system will be required. *See Special Provision No. 35.

B. Monitoring Requirements:

Parameter	Monitoring Frequency	Sample Type
Flow	Continuous	Totalizing Meter
Biochemical Oxygen Demand (5-day)	One/week	Grab
Total Suspended Solids	One/week	Grab
pH	One/month	Grab
Total Chlorine Residual	Five/week	Grab
E. coli	One/quarter	Grab

The monitoring shall be done after the final treatment unit and prior to storage of the treated effluent. If the effluent is land applied directly from the treatment system, monitoring shall be done after the final treatment unit and prior to land application. These records shall be maintained on a monthly basis and be available at the plant site for inspection by authorized representatives of the Commission for at least three years.

STANDARD PERMIT CONDITIONS

This permit is granted in accordance with the Texas Water Code and the rules and other Orders of the Commission and the laws of the State of Texas.

DEFINITIONS

All definitions in Section 26.001 of the Texas Water Code and 30 TAC Chapter 305 shall apply to this permit and are incorporated by reference. Some specific definitions of words or phrases used in this permit are as follows:

1. Flow Measurements

    a. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.

    b. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder and limited to major domestic wastewater discharge facilities with a 1 million gallons per day or greater permitted flow.

    c. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

2. Concentration Measurements

    a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.

        i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

        ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

    b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.

    c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

3. Sample Type

   a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC § 319.9 (b).

   b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation and/or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.

5. The term “sewage sludge” is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids which have not been classified as hazardous waste separated from wastewater by unit processes.

6. The term “biosolids” is defined as sewage sludge that has been tested or processed to meet Class A, Class AB, or Class B pathogen standards in 30 TAC Chapter 312 for beneficial use.

7. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING REQUIREMENTS

1. Monitoring Requirements

   Monitoring results shall be collected at the intervals specified in the permit. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall conduct effluent sampling in accordance with 30 TAC §§ 319.4 - 319.12.

   As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Texas Water Code, Chapters 26, 27, and 28, and Texas Health and Safety Code, Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record or other document submitted or required to be maintained under this permit, including monitoring reports, records or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

   a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§ 319.11 - 319.12. Measurements, tests and calculations shall be accurately accomplished in a representative manner.

b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge or biosolids use and disposal activities, which shall be retained for a period of at least five years, monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, and records of all data used to complete the application for this permit shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, or application. This period shall be extended at the request of the Executive Director.

c. Records of monitoring activities shall include the following:

i. date, time and place of sample or measurement;
ii. identity of individual who collected the sample or made the measurement.
iii. date and time of analysis;
iv. identity of the individual and laboratory who performed the analysis;
v. the technique or method of analysis; and
vi. the results of the analysis or measurement and quality assurance/quality control records.

The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in determining compliance with permit requirements.

5. Calibration of Instruments

All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site and/or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the Regional Office and the Enforcement Division (MC 224).

7. Noncompliance Notification

   a. In accordance with 30 TAC § 305.125(9), any noncompliance which may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Except as allowed by 30 TAC § 305.132, report of such information shall be provided orally or by facsimile transmission (FAX) to the Regional Office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the Regional Office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

   b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

      i. Unauthorized discharges as defined in Permit Condition 2(g).

      ii. Any unanticipated bypass which exceeds any effluent limitation in the permit.

   c. In addition to the above, any effluent violation which deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the Regional Office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

   d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible.

8. In accordance with the procedures described in 30 TAC §§ 35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

   All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the Regional Office, orally or by facsimile transmission within 24 hours, and both the Regional Office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

   a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) which is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:

i. One hundred micrograms per liter (100 µg/L);
ii. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
iii. Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
iv. The level established by the TCEQ.

b. That any activity has occurred or will occur which would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. Five hundred micrograms per liter (500 µg/L);
ii. One milligram per liter (1 mg/L) for antimony;
iii. Ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
iv. The level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC § 305.128 (relating to Signatories to Reports).

PERMIT CONDITIONS

1. General

a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.

b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:

i. Violation of any terms or conditions of this permit;
ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
iii. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment, revocation or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation which has a reasonable likelihood of adversely affecting human health or the environment.

e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§ 305.62 and 305.66 and Texas Water Code Section 7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Special Provisions section of this permit.

h. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§ 7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the Texas Water Code Chapters 26, 27, and 28, and Texas Health and Safety Code Chapter 361.

b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the

quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in Texas Water Code Section 7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment and/or Renewal

   a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:

      i. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9;

      ii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.

   c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.

   d. Prior to accepting or generating wastes which are not described in the permit application or which would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.

e. In accordance with the Texas Water Code § 26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

5. Permit Transfer

a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.

b. A permit may be transferred only according to the provisions of 30 TAC § 305.64 (relating to Transfer of Permits) and 30 TAC § 50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

This permit does not authorize any activity of hazardous waste storage, processing, or disposal which requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Property Rights

A permit does not convey any property rights of any sort, or any exclusive privilege.

8. Permit Enforceability

The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

9. Relationship to Permit Application

The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

10. Notice of Bankruptcy.

a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:

i. the permittee;
ii. an entity (as that term is defined in 11 USC, § 101(14)) controlling the permittee or listing the permit or permittee as property of the estate; or
iii. an affiliate (as that term is defined in 11 USC, § 101(2)) of the permittee.

b. This notification must indicate:

i. the name of the permittee;
ii. the permit number(s);
iii. the bankruptcy court in which the petition for bankruptcy was filed; and
iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.

2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge or biosolids use and disposal and 30 TAC §§ 319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:

   a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.

   b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment and/or other treatment unit regulated by this permit.

4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, and/or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under Texas Water Code § 7.302(b)(6).

7. Documentation

   For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information specified as not confidential in 30 TAC § 1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities which generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

   a. Whenever flow measurements for any domestic sewage treatment facility reach 75 percent of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion and/or upgrading of the domestic wastewater treatment and/or collection facilities. Whenever the flow reaches 90 percent of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment and/or collection facilities. In the case of a domestic wastewater treatment facility which reaches 75 percent of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

      If in the judgement of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

   b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

   c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or

discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.

10. Facilities which generate industrial solid waste as defined in 30 TAC § 335.1 shall comply with these provisions:

    a. Any solid waste, as defined in 30 TAC § 335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.

    b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.

    c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC § 335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

    d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC § 335.5.

    e. The term "industrial solid waste management unit" means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

    f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:

        i. Volume of waste and date(s) generated from treatment process;
        ii. Volume of waste disposed of on-site or shipped off-site;

iii. Date(s) of disposal;
iv. Identity of hauler or transporter;
v. Location of disposal site; and
vi. Method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

11. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with Chapter 361 of the Texas Health and Safety Code.

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SLUDGE PROVISIONS

The permittee is authorized to dispose of sludge or biosolids only at a Texas Commission on Environmental Quality (TCEQ) authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge. **The disposal of sludge or biosolids by land application on property owned, leased or under the direct control of the permittee is a violation of the permit unless the site is authorized with the TCEQ. This provision does not authorize Distribution and Marketing of Class A or Class AB Biosolids. This provision does not authorize the permittee to land apply biosolids on property owned, leased or under the direct control of the permittee.**

SECTION I. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS LAND APPLICATION

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge or biosolids.

2. In all cases, if the person (permit holder) who prepares the sewage sludge or biosolids supplies the sewage sludge or biosolids to another person for land application use or to the owner or lease holder of the land, the permit holder shall provide necessary information to the parties who receive the sludge or biosolids to assure compliance with these regulations.

3. The land application of processed or unprocessed chemical toilet waste, grease trap waste, grit trap waste, milk solids, or similar non-hazardous municipal or industrial solid wastes, or any of the wastes listed in this provision combined with biosolids, WTP residuals or domestic septage is prohibited unless the grease trap waste is added at a fats, oil and grease (FOG) receiving facility as part of an anaerobic digestion process.

B. Testing Requirements

1. Sewage sludge or biosolids shall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I [Toxicity Characteristic Leaching Procedure (TCLP)] or other method that receives the prior approval of the TCEQ for the contaminants listed in 40 CFR Part 261.24, Table 1. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal. Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) within seven (7) days after failing the TCLP Test.

The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P.O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) and the Enforcement Division (MC 224).

2. Biosolids shall not be applied to the land if the concentration of the pollutants exceeds the pollutant concentration criteria in Table 1. The frequency of testing for pollutants in Table 1 is found in Section I.C. of this permit.

TABLE 1

Pollutant	Ceiling Concentration (Milligrams per kilogram)*
Arsenic	75
Cadmium	85
Chromium	3000
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
PCBs	49
Selenium	100
Zinc	7500

* Dry weight basis

3. Pathogen Control

All sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site must be treated by one of the following methods to ensure that the sludge meets either the Class A, Class AB or Class B biosolids pathogen requirements.

a. For sewage sludge to be classified as Class A biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 most probable number (MPN) per gram of total solids (dry weight basis), or the density of Salmonella sp. bacteria in the sewage sludge must be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

Alternative 1 - The temperature of the sewage sludge that is used or disposed shall be maintained at or above a specific value for a period of time. See 30 TAC § 312.82(a)(3)(A) for specific information;

Alternative 5 (PFRP) - Sewage sludge that is used or disposed of must be treated in one of the Processes to Further Reduce Pathogens (PFRP) described in 40 CFR Part 503, Appendix B. PFRP include composting, heat drying, heat treatment, and thermophilic aerobic digestion; or

Alternative 6 (PFRP Equivalent) - Sewage sludge that is used or disposed of must be treated in a process that has been approved by the U. S. Environmental Protection Agency as being equivalent to those in Alternative 5.

b. For sewage sludge to be classified as Class AB biosolids with respect to pathogens, the density of fecal coliform in the sewage sludge must be less than 1,000 MPN per gram of total solids (dry weight basis), or the density of *Salmonella* sp. bacteria in the sewage sludge be less than three MPN per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. In addition, one of the alternatives listed below must be met:

   Alternative 2 - The pH of the sewage sludge that is used or disposed shall be raised to above 12 std. units and shall remain above 12 std. units for 72 hours.

   The temperature of the sewage sludge shall be above 52° Celsius for 12 hours or longer during the period that the pH of the sewage sludge is above 12 std. units.

   At the end of the 72-hour period during which the pH of the sewage sludge is above 12 std. units, the sewage sludge shall be air dried to achieve a percent solids in the sewage sludge greater than 50%; or

   Alternative 3 - The sewage sludge shall be analyzed for enteric viruses prior to pathogen treatment. The limit for enteric viruses is less than one Plaque-forming Unit per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(i-iii) for specific information. The sewage sludge shall be analyzed for viable helminth ova prior to pathogen treatment. The limit for viable helminth ova is less than one per four grams of total solids (dry weight basis) either before or following pathogen treatment. See 30 TAC § 312.82(a)(2)(C)(iv-vi) for specific information; or

   Alternative 4 - The density of enteric viruses in the sewage sludge shall be less than one Plaque-forming Unit per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed. The density of viable helminth ova in the sewage sludge shall be less than one per four grams of total solids (dry weight basis) at the time the sewage sludge is used or disposed.

c. Sewage sludge that meets the requirements of Class AB biosolids may be classified a Class A biosolids if a variance request is submitted in writing that is supported by substantial documentation demonstrating equivalent methods for reducing odors and written approval is granted by the executive director. The executive director may deny the variance request or revoke that approved variance if it is determined that the variance may potentially endanger human health or the environment, or create nuisance odor conditions.

d. Three alternatives are available to demonstrate compliance with Class B biosolids

criteria.
Alternative 1

i. A minimum of seven random samples of the sewage sludge shall be collected within 48 hours of the time the sewage sludge is used or disposed of during each monitoring episode for the sewage sludge.

ii. The geometric mean of the density of fecal coliform in the samples collected shall be less than either 2,000,000 MPN per gram of total solids (dry weight basis) or 2,000,000 Colony Forming Units per gram of total solids (dry weight basis).

Alternative 2 - Sewage sludge that is used or disposed of shall be treated in one of the Processes to Significantly Reduce Pathogens (PSRP) described in 40 CFR Part 503, Appendix B, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. An independent Texas Licensed Professional Engineer must make a certification to the generator of a sewage sludge that the wastewater treatment facility generating the sewage sludge is designed to achieve one of the PSRP at the permitted design loading of the facility. The certification need only be repeated if the design loading of the facility is increased. The certification shall include a statement indicating the design meets all the applicable standards specified in Appendix B of 40 CFR Part 503;

iii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iv. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review; and

v. If the sewage sludge is generated from a mixture of sources, resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the PSRP, and shall meet the certification, operation, and record keeping requirements of this paragraph.

Alternative 3 - Sewage sludge shall be treated in an equivalent process that has been approved by the U.S. Environmental Protection Agency, so long as all of the following requirements are met by the generator of the sewage sludge.

i. Prior to use or disposal, all the sewage sludge must have been generated from a single location, except as provided in paragraph v. below;

ii. Prior to any off-site transportation or on-site use or disposal of any sewage sludge generated at a wastewater treatment facility, the chief certified operator of the wastewater treatment facility or other responsible official who manages the processes to significantly reduce pathogens at the wastewater treatment facility for the permittee, shall certify that the sewage sludge underwent at least the minimum operational requirements necessary in order to meet one of the PSRP. The acceptable processes and the minimum operational and record keeping requirements shall be in accordance with established U.S. Environmental Protection Agency final guidance;

iii. All certification records and operational records describing how the requirements of this paragraph were met shall be kept by the generator for a minimum of three years and be available for inspection by commission staff for review;

iv. The Executive Director will accept from the U.S. Environmental Protection Agency a finding of equivalency to the defined PSRP; and

v. If the sewage sludge is generated from a mixture of sources resulting from a person who prepares sewage sludge from more than one wastewater treatment facility, the resulting derived product shall meet one of the Processes to Significantly Reduce Pathogens, and shall meet the certification, operation, and record keeping requirements of this paragraph.

In addition to the Alternatives 1 – 3, the following site restrictions must be met if Class B biosolids are land applied:

i. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after application of biosolids.

ii. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of biosolids when the biosolids remain on the land surface for 4 months or longer prior to incorporation into the soil.

iii. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of biosolids when the biosolids remain on the land surface for less than 4 months prior to incorporation into the soil.

iv. Food crops, feed crops, and fiber crops shall not be harvested for 30 days after application of biosolids.

v. Domestic livestock shall not be allowed to graze on the land for 30 days after application of biosolids.

vi. Turf grown on land where biosolids are applied shall not be harvested for 1 year after application of the sewage sludge when the harvested turf is placed on either land with a high potential for public exposure or a lawn.

vii. Public access to land with a high potential for public exposure shall be restricted for 1 year after application of biosolids.

viii. Public access to land with a low potential for public exposure shall be restricted for 30 days after application of biosolids.

ix. Land application of biosolids shall be in accordance with the buffer zone requirements found in 30 TAC § 312.44.

4. Vector Attraction Reduction Requirements

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, or a reclamation site shall be treated by one of the following Alternatives 1 through 10 for vector attraction reduction.

Alternative 1 - The mass of volatile solids in the sewage sludge shall be reduced by a minimum of 38%.

Alternative 2 - If Alternative 1 cannot be met for an anaerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge anaerobically in the laboratory in a bench-scale unit for 40 additional days at a temperature between 30° and 37° Celsius. Volatile solids must be reduced by less than 17% to demonstrate compliance.

Alternative 3 - If Alternative 1 cannot be met for an aerobically digested sludge, demonstration can be made by digesting a portion of the previously digested sludge with percent solids of two percent or less aerobically in the laboratory in a bench-scale unit for 30 additional days at 20° Celsius. Volatile solids must be reduced by less than 15% to demonstrate compliance.

Alternative 4 - The specific oxygen uptake rate (SOUR) for sewage sludge treated in an aerobic process shall be equal to or less than 1.5 milligrams of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20° Celsius.

Alternative 5 - Sewage sludge shall be treated in an aerobic process for 14 days or longer. During that time, the temperature of the sewage sludge shall be higher than 40° Celsius and the average temperature of the sewage sludge shall be higher than 45° Celsius.

Alternative 6 - The pH of sewage sludge shall be raised to 12 or higher by alkali addition and, without the addition of more alkali shall remain at 12 or higher for two hours and then remain at a pH of 11.5 or higher for an additional 22 hours at the time the sewage sludge is prepared for sale or given away in a bag or other container.

Alternative 7 - The percent solids of sewage sludge that does not contain unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 75% based on the moisture content and total solids prior to mixing with other materials. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 8 - The percent solids of sewage sludge that contains unstabilized solids generated in a primary wastewater treatment process shall be equal to or greater than 90% based on the moisture content and total solids prior to mixing with other materials at the time the sludge is used. Unstabilized solids are defined as organic materials in sewage sludge that have not been treated in either an aerobic or anaerobic treatment process.

Alternative 9 -

i. Biosolids shall be injected below the surface of the land.

ii. No significant amount of the biosolids shall be present on the land surface within one hour after biosolids are injected.

iii. When sewage sludge that is injected below the surface of the land is Class A or Class AB with respect to pathogens, the biosolids shall be injected below the land surface within eight hours after being discharged from the pathogen treatment process.

Alternative 10-

i. Biosolids applied to the land surface or placed on a surface disposal site shall be incorporated into the soil within six hours after application to or placement on the land.

ii. When biosolids that are incorporated into the soil is Class A or Class AB with respect to pathogens, the biosolids shall be applied to or placed on the land within eight hours after being discharged from the pathogen treatment process.

C. Monitoring Requirements

Toxicity Characteristic Leaching Procedure (TCLP) Test	- once during the term of this permit
PCBs	- once during the term of this permit

All metal constituents and fecal coliform or *Salmonella* sp. bacteria shall be monitored at the appropriate frequency shown below, pursuant to 30 TAC § 312.46(a)(1):

Amount of biosolids (*) metric tons per 365-day period	Monitoring Frequency
0 to less than 290	Once/Year
290 to less than 1,500	Once/Quarter
1,500 to less than 15,000	Once/Two Months
15,000 or greater	Once/Month

(*) *The amount of bulk biosolids applied to the land (dry wt. basis).*

Representative samples of sewage sludge shall be collected and analyzed in accordance with the methods referenced in 30 TAC § 312.7

Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge or biosolids for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

SECTION II. REQUIREMENTS SPECIFIC TO BULK SEWAGE SLUDGE FOR APPLICATION TO THE LAND MEETING CLASS A, CLASS AB or B BIOSOLIDS PATHOGEN REDUCTION AND THE CUMULATIVE LOADING RATES IN TABLE 2, OR CLASS B PATHOGEN REDUCTION AND THE POLLUTANT CONCENTRATIONS IN TABLE 3

For those permittees meeting Class A, Class AB or B pathogen reduction requirements and that meet the cumulative loading rates in Table 2 below, or the Class B pathogen reduction requirements and contain concentrations of pollutants below listed in Table 3, the following conditions apply:

A. Pollutant Limits

Table 2

Pollutant	Cumulative Pollutant Loading Rate (pounds per acre)*
Arsenic	36
Cadmium	35
Chromium	2677
Copper	1339
Lead	268
Mercury	15
Molybdenum	Report Only
Nickel	375
Selenium	89
Zinc	2500

Table 3

Pollutant	Monthly Average Concentration (milligrams per kilogram)*
Arsenic	41
Cadmium	39
Chromium	1200
Copper	1500
Lead	300
Mercury	17
Molybdenum	Report Only
Nickel	420
Selenium	36
Zinc	2800

*Dry weight basis

B. Pathogen Control

All bulk sewage sludge that is applied to agricultural land, forest, a public contact site, a reclamation site, shall be treated by either Class A, Class AB or Class B biosolids pathogen reduction requirements as defined above in Section I.B.3.

C. Management Practices

1. Bulk biosolids shall not be applied to agricultural land, forest, a public contact site, or a reclamation site that is flooded, frozen, or snow-covered so that the bulk sewage sludge enters a wetland or other waters in the State.

2. Bulk sewage sludge not meeting Class A biosolids requirements shall be land applied in a manner which complies with Applicability in accordance with 30 TAC §312.41 and the Management Requirements in accordance with 30 TAC § 312.44.

3. Bulk biosolids shall be applied at or below the agronomic rate of the cover crop.

4. An information sheet shall be provided to the person who receives bulk Class A or AB biosolids sold or given away. The information sheet shall contain the following information:

    a. The name and address of the person who prepared the Class A or AB biosolids that are sold or given away in a bag or other container for application to the land.

    b. A statement that application of the Class A or AB biosolids to the land is prohibited except in accordance with the instruction on the label or information sheet.

    c. The annual whole sludge application rate for the biosolids application rate for the biosolids that does not cause any of the cumulative pollutant loading rates in Table 2 above to be exceeded, unless the pollutant concentrations in Table 3 found in Section II above are met.

D. Notification Requirements

1. If bulk biosolids are applied to land in a State other than Texas, written notice shall be provided prior to the initial land application to the permitting authority for the State in which the bulk biosolids are proposed to be applied. The notice shall include:

    a. The location, by street address, and specific latitude and longitude, of each land application site.

    b. The approximate time period bulk biosolids will be applied to the site.

    c. The name, address, telephone number, and National Pollutant Discharge Elimination System permit number (if appropriate) for the person who will apply the bulk biosolids.

E. Record Keeping Requirements

The documents will be retained at the facility site and/or shall be readily available for review by a TCEQ representative. The person who prepares bulk sewage sludge or a biosolids material shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative for a period of five years. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply.

1. The concentration (mg/kg) in the sludge of each pollutant listed in Table 3 above and the applicable pollutant concentration criteria (mg/kg), or the applicable cumulative pollutant loading rate and the applicable cumulative pollutant loading rate limit (lbs/ac) listed in Table 2 above.

2. A description of how the pathogen reduction requirements are met (including site restrictions for Class AB and Class B biosolids, if applicable).

3. A description of how the vector attraction reduction requirements are met.

4. A description of how the management practices listed above in Section II.C are being met.

5. The following certification statement:

   "I certify, under penalty of law, that the applicable pathogen requirements in 30 TAC § 312.82(a) or (b) and the vector attraction reduction requirements in 30 TAC § 312.83(b) have been met for each site on which bulk biosolids are applied. This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the management practices have been met. I am aware that there are significant penalties for false certification including fine and imprisonment."

6. The recommended agronomic loading rate from the references listed in Section II.C.3. above, as well as the actual agronomic loading rate shall be retained. The person who applies bulk biosolids shall develop the following information and shall retain the information at the facility site and/or shall be readily available for review by a TCEQ representative indefinitely. If the permittee supplies the sludge to another person who land applies the sludge, the permittee shall notify the land applier of the requirements for record keeping found in 30 TAC § 312.47 for persons who land apply:

   a. A certification statement that all applicable requirements (specifically listed) have been met, and that the permittee understands that there are significant penalties for false certification including fine and imprisonment. See 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii), as applicable, and to the permittee's specific sludge treatment activities.

   b. The location, by street address, and specific latitude and longitude, of each site on which sludge is applied.

   c. The number of acres in each site on which bulk sludge is applied.

   d. The date and time sludge is applied to each site.

e. The cumulative amount of each pollutant in pounds/acre listed in Table 2 applied to each site.

f. The total amount of sludge applied to each site in dry tons.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Identify the nature of material generated by the facility (such as a biosolid for beneficial use or land-farming, or sewage sludge for disposal at a monofill) and whether the material is ultimately conveyed off-site in bulk or in bags.

3. Results of tests performed for pollutants found in either Table 2 or 3 as appropriate for the permittee's land application practices.

4. The frequency of monitoring listed in Section I.C. that applies to the permittee.

5. Toxicity Characteristic Leaching Procedure (TCLP) results.

6. PCB concentration in sludge or biosolids in mg/kg.

7. Identity of hauler(s) and TCEQ transporter number.

8. Date(s) of transport.

9. Texas Commission on Environmental Quality registration number, if applicable.

10. Amount of sludge or biosolids disposal dry weight (lbs/acre) at each disposal site.

11. The concentration (mg/kg) in the sludge or biosolids of each pollutant listed in Table 1 (defined as a monthly average) as well as the applicable pollutant concentration criteria (mg/kg) listed in Table 3 above, or the applicable pollutant loading rate limit (lbs/acre) listed in Table 2 above if it exceeds 90% of the limit.

12. Level of pathogen reduction achieved (Class A, Class AB or Class B).

13. Alternative used as listed in Section I.B.3.(a. or b.). Alternatives describe how the pathogen reduction requirements are met. If Class B biosolids, include information on how site restrictions were met.

14. Identify each of the analytic methods used by the facility to analyze enteric viruses, fecal coliforms, helminth ova, *Salmonella* sp., and other regulated parameters.

15. Vector attraction reduction alternative used as listed in Section I.B.4.

16. Amount of sludge or biosolids transported in dry tons/year.

17. The certification statement listed in either 30 TAC § 312.47(a)(4)(A)(ii) or 30 TAC § 312.47(a)(5)(A)(ii) as applicable to the permittee's sludge or biosolids treatment activities, shall be attached to the annual reporting form.

18. When the amount of any pollutant applied to the land exceeds 90% of the cumulative pollutant loading rate for that pollutant, as described in Table 2, the permittee shall report the following information as an attachment to the annual reporting form.

    a. The location, by street address, and specific latitude and longitude.

    b. The number of acres in each site on which bulk biosolids are applied.

    c. The date and time bulk biosolids are applied to each site.

    d. The cumulative amount of each pollutant (i.e., pounds/acre) listed in Table 2 in the bulk biosolids applied to each site.

    e. The amount of biosolids (i.e., dry tons) applied to each site.

    The above records shall be maintained on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION III. REQUIREMENTS APPLYING TO ALL SEWAGE SLUDGE OR BIOSOLIDS DISPOSED IN A MUNICIPAL SOLID WASTE LANDFILL

A. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC § 330 and all other applicable state and federal regulations to protect public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present. The permittee shall ensure that the sewage sludge or biosolids meets the requirements in 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

B. If the permittee generates sewage sludge or biosolids and supplies that sewage sludge or biosolids to the owner or operator of a municipal solid waste landfill (MSWLF) for disposal, the permittee shall provide to the owner or operator of the MSWLF appropriate information needed to be in compliance with the provisions of this permit.

C. Sewage sludge or biosolids hall be tested once during the term of this permit in accordance with the method specified in both 40 CFR Part 261, Appendix II and 40 CFR Part 268, Appendix I (Toxicity Characteristic Leaching Procedure) or other method, which receives the prior approval of the TCEQ for contaminants listed in Table 1 of 40 CFR § 261.24. Sewage sludge or biosolids failing this test shall be managed according to RCRA standards for generators of hazardous waste, and the waste's disposition must be in accordance with all applicable requirements for hazardous waste processing, storage, or disposal.

   Following failure of any TCLP test, the management or disposal of sewage sludge or biosolids at a facility other than an authorized hazardous waste processing, storage, or disposal facility shall be prohibited until such time as the permittee can demonstrate the sewage sludge or biosolids no longer exhibits the hazardous waste toxicity characteristics (as demonstrated by the results of the TCLP tests). A written report shall be provided to both the TCEQ Registration and Reporting Section (MC 129) of the Permitting and Registration Support Division and the Regional Director (MC Region 11) of the appropriate TCEQ field office within 7 days after failing the TCLP Test.

   The report shall contain test results, certification that unauthorized waste management has stopped, and a summary of alternative disposal plans that comply with RCRA standards for the management of hazardous waste. The report shall be addressed to: Director, Permitting and Registration Support Division (MC 129), Texas Commission on Environmental Quality, P. O. Box 13087, Austin, Texas 78711-3087. In addition, the permittee shall prepare an annual report on the results of all sludge toxicity testing. This annual report shall be submitted to the TCEQ Regional Office (MC Region 11) and the Enforcement Division (MC 224), by September 30_{th} of each year.

D. Sewage sludge or biosolids shall be tested as needed, in accordance with the requirements of 30 TAC Chapter 330.

E. Record Keeping Requirements

   The permittee shall develop the following information and shall retain the information for five years.

1. The description (including procedures followed and the results) of all liquid Paint Filter Tests performed.

2. The description (including procedures followed and results) of all TCLP tests performed.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

F. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. Toxicity Characteristic Leaching Procedure (TCLP) results.

3. Annual sludge production in dry tons/year.

4. Amount of sludge or biosolids disposed in a municipal solid waste landfill in dry tons/year.

5. Amount of sludge or biosolids transported interstate in dry tons/year.

6. A certification that the sewage sludge or biosolids meets the requirements of 30 TAC § 330 concerning the quality of the sludge disposed in a municipal solid waste landfill.

7. Identity of hauler(s) and transporter registration number.

8. Owner of disposal site(s).

9. Location of disposal site(s).

10. Date(s) of disposal.

The above records shall be maintained on-site on a monthly basis and shall be made available to the Texas Commission on Environmental Quality upon request.

SECTION IV. REQUIREMENTS APPLYING TO SLUDGE OR BIOSOLIDS TRANSPORTED TO ANOTHER FACILITY FOR FURTHER PROCESSING

These provisions apply to sludge or biosolids that is transported to another wastewater treatment facility or facility that further processes sludge or biosolids. These provisions are intended to allow transport of sludge or biosolids to facilities that have been authorized to accept sludge or biosolids. These provisions do not limit the ability of the receiving facility to determine whether to accept the sludge or biosolids, nor do they limit the ability of the receiving facility to request additional testing or documentation.

A. General Requirements

1. The permittee shall handle and dispose of sewage sludge or biosolids in accordance with 30 TAC Chapter 312 and all other applicable state and federal regulations in a manner that protects public health and the environment from any reasonably anticipated adverse effects due to any toxic pollutants that may be present in the sludge.

2. Sludge or biosolids may only be transported using a registered transporter or using an approved pipeline.

B. Record Keeping Requirements

1. For sludge transported by an approved pipeline, the permittee must maintain records of the following:

   a. the amount of sludge or biosolids transported;

   b. the date of transport;

   c. the name and TCEQ permit number of the receiving facility or facilities;

   d. the location of the receiving facility or facilities;

   e. the name and TCEQ permit number of the facility that generated the waste; and

   f. copy of the written agreement between the permittee and the receiving facility to accept sludge or biosolids.

2. For sludge or biosolids transported by a registered transporter, the permittee must maintain records of the completed trip tickets in accordance with 30 TAC § 312.145(a)(1)-(7) and amount of sludge or biosolids transported.

3. The above records shall be maintained on-site on a monthly basis and shall be made available to the TCEQ upon request. These records shall be retained for at least five years.

C. Reporting Requirements

The permittee shall submit the following information in an annual report to the TCEQ by September 30th of each year. The permittee must submit this annual report using the online electronic reporting system available through TCEQ's website. If the permittee requests and obtains an electronic reporting waiver, the annual report can be submitted in hard copy to the TCEQ Regional Office (MC Region 11) and the Enforcement Division (MC 224).

1. Identify in the following categories (as applicable) the sewage sludge or biosolids treatment process or processes at the facility: preliminary operations (e.g., sludge or biosolids grinding and degritting), thickening (concentration), stabilization, anaerobic digestion, aerobic digestion, composting, conditioning, disinfection (e.g., beta ray irradiation, gamma ray irradiation, pasteurization), dewatering (e.g., centrifugation, sludge drying beds, sludge lagoons), heat drying, thermal reduction, and methane or biogas capture and recovery.

2. the annual sludge or biosolids production;

3. the amount of sludge or biosolids transported;

4. the owner of each receiving facility;

5. the location of each receiving facility; and

6. the date(s) of disposal at each receiving facility.

SPECIAL PROVISIONS:

1. This permit is granted subject to the policy of the Commission to encourage the development of areawide waste collection, treatment and disposal systems. The Commission reserves the right to amend this permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an areawide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such areawide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

2. The permittee shall employ or contract with one or more licensed wastewater treatment facility operators or wastewater system operations companies holding a valid license or registration according to the requirements of 30 TAC Chapter 30, Occupational Licenses and Registrations, and in particular 30 TAC Chapter 30, Subchapter J, Wastewater Operators and Operations Companies.

   This Category C facility must be operated by a chief operator or an operator holding a Class C license or higher. The facility must be operated a minimum of five days per week by the licensed chief operator or an operator holding the required level of license or higher. The licensed chief operator or operator holding the required level of license or higher must be available by telephone or pager seven days per week. Where shift operation of the wastewater treatment facility is necessary, each shift which does not have the on-site supervision of the licensed chief operator must be supervised by an operator in charge who is licensed not less than one level below the category for the facility.

3. The permittee shall maintain and operate the treatment facility in order to achieve optimum efficiency of treatment capability. This shall include required monitoring of effluent flow and quality as well as appropriate grounds and building maintenance.

4. Plans and specifications have been approved for the 0.009MGD wastewater treatment facility, in accordance with 30 TAC § 217, Design Criteria for Domestic Wastewater Systems. A summary transmittal approval letter was issued ***(09/25/2020)*** (Log No. #5020/099).***:*** A copy of the summary transmittal letter shall be available at the plant site for inspection by authorized representatives of the TCEQ.

5. According to the requirements of 30 TAC § 222.81(a), the permittee shall locate the subsurface area drip dispersal system a minimum horizontal distance of 100 feet from surface waters in the state. The permittee shall locate the subsurface area drip dispersal system a minimum horizontal distance of 500 feet from public water wells, springs, or other similar sources of public drinking water and 150 feet from private water wells as described in 30 TAC § 309.13(c)(1). The permittee shall not locate a subsurface area drip dispersal system within a floodway according to the requirements of 30 TAC § 222.81(d).

6. The permittee will maintain the Bermuda grass overseeded with rye grass on the disposal site. Application rates shall not exceed 0.1 gallons per square foot per day. The permittee is responsible for providing equipment to determine the application rate and for maintaining accurate records of the volume of effluent applied. According to the requirements of 30 TAC

§ 222.161(d), the permittee shall maintain records documenting all activities associated with maintaining the vegetative cover, like planting, over-seeding, mowing height, fertilizing, and harvesting. These records shall be maintained for a minimum of five years and be made available to TCEQ staff upon request.

7. Based on the requirements of 30 TAC § 222.151, the subsurface area drip dispersal system shall be designed and managed so as to prevent seepage or percolation out of the root zone, other than leaching in the amount required to maintain the health of the vegetative cover. Surfacing and ponding is prohibited. Creating a condition at the treatment facility or the drip dispersal zones that contributes to vector attraction or odor is prohibited.

8. Subsurface irrigation practices shall be designed and managed so as to prevent ponding and surfacing of effluent, contamination of ground and surface water, and the occurrence of nuisance conditions in the area. To promote effluent and nutrient uptake by the crop, and to prevent pathways for effluent surfacing, Bermuda grass and ryegrass shall be established and well maintained in the irrigation area throughout the year.

9. All open areas in the land application sites shall be planted and managed for permanent, year-round vegetative cover of Bermuda grass and ryegrass.

10. The permittee shall use cultural practices to promote and maintain the health and propagation of the Bermuda grass and ryegrass crops and avoid plant lodging. The permittee shall harvest the crops (cut and remove it from the field) at least once during the year. Harvesting and mowing dates shall be recorded in a log book kept on site to be made available to TCEQ personnel upon request.

11. The subsurface drip irrigation system shall consist of a sufficient number of different dispersal zones. The minimum depth of soil above the drip irrigation lines shall be at least six inches, and the minimum depth of soil below the drip irrigation lines shall consist of at least twelve inches of usable soil. In the event of effluent surfacing due to damage to the drip irrigation lines, effluent application shall be shut-off to the drip irrigation zone and public access to the zone shall be restricted.

12. The permittee shall design and install temporary storage that equals at least three days of the design flow of the facility for times when the subsurface area drip dispersal system is out of service due to an emergency or scheduled maintenance. In addition, the permittee shall pump and haul wastewater from the facility to prevent the discharge of treated or untreated wastewater if complete shutdown of the wastewater treatment facility becomes necessary or if the storage capacity is exceeded.

13. Permanent transmission lines shall be installed from the treatment system to each drip irrigation zone of the subsurface drip irrigation system. According to 30 TAC § 222.153, the permittee shall flush the subsurface area drip dispersal system from the dispersal zone and return the flush water to a point preceding the treatment system at least once every two months

14. Effluent shall not be applied for irrigation during rainfall events or when the ground is frozen or saturated.

15. Irrigation with effluent shall be accomplished only when the area specified is not in use.

16. For any area where treated effluent is stored or where there exist hose bibs or faucets, the permittee shall erect adequate signs stating that the irrigation water is from a non-potable water supply. Signs shall consist of a red slash superimposed over the international symbol for drinking water accompanied by the message "DO NOT DRINK THE WATER" in both English and Spanish. All piping transporting the effluent shall be clearly marked with these same signs.

17. The permittee shall maintain a long term contract with the owner(s) of the land application site which is authorized for use in this permit, or own the land authorized for land application of treated effluent.

18. The permittee shall obtain representative soil samples from the root zones of the land application area receiving wastewater. Composite sampling techniques shall be used. Each composite sample shall represent no more than 2.1 acres with no fewer than two (2) cores per dosing bed (zone) representing each composite sample. For analysis and reporting, subsamples shall be composited by like sampling depth, type of crop and soil type. Soil types are soils that have like topsoil or plow layer textures. These soils shall be sampled individually from 0 to 12 inches and 12 to 24 inches below ground level. The permittee shall sample soils in December to February of each year. Soil samples shall be analyzed within 30 days of sample collection.

    The permittee shall provide annual soil sample analyses of the land application area according to the following table:

Parameter	**Method**	**Minimum Analytical Level (MAL)**	**Reporting units**
pH	2:1 (v/v) water to soil mixture		Reported to 0.1 pH units after calibration of pH meter
Electrical Conductivity	Obtained from the SAR water saturated paste extract	0.01	dS/m (same as mmho/cm)
Nitrate-nitrogen	From a 1 N KCl soil extract	1	mg/kg (dry weight basis)
Total Kjeldahl Nitrogen (TKN)	For determination of Organic plus Ammonium Nitrogen. Procedures that use Mercury (Hg)	20	mg/kg (dry weight basis)

	are not acceptable.		
Total Nitrogen	= TKN plus Nitrate-nitrogen		mg/kg (dry weight basis)
Plant-available: Phosphorus	Mehlich III with inductively coupled plasma	1 (P)	mg/kg (dry weight basis)
Plant-available: Potassium (K) Calcium (Ca) Magnesium (Mg) Sodium (Na) Sulfur (S)	May be determined in the same Mehlich III extract with inductively coupled plasma	5 (K) 10 (Ca) 5 (Mg) 10 (Na) 1 (S)	mg/kg (dry weight basis)
Water-soluble: Sodium (Na) Calcium (Ca) Magnesium (Mg)	Obtained from the SAR water saturated paste extract	1 (Na) 1 (Ca) 1 (Mg)	Water soluble constituents are reported in mg/L
Sodium Adsorption Ratio (SAR)	$\text{SAR} = \frac{\text{Na}}{\sqrt{\frac{(\text{Ca}+\text{Mg})}{2}}}$		Express concentrations of Na, Ca and Mg in the water saturated paste extract in milliequivalents/liter (meq/L) to calculate the SAR. The SAR value is unit less. If the SAR is greater than 10, amendments (e.g., gypsum) shall be added to the soil to adjust the SAR to less than 10.

Amendment addition, e.g., gypsum			Report in short tons/acre in the year effected

A copy of this soil testing plan shall be provided to the analytical laboratory prior to sample analysis. The permittee shall submit the results of the annual soil sample analyses with copies of the laboratory reports and a map depicting the areas that have received wastewater within the permanent land application fields to the TCEQ Region Office 11, Austin (MC R11) and the Enforcement Division (MC 224), no later than end of September of each sampling year. If wastewater is not applied in a particular year, the permittee shall notify the same TCEQ offices and indicate that wastewater has not been applied on the approved land irrigation site(s) during that year.

19. Berms and/or swales shall be built upgradient of the drainfields. The surface of the drainfields shall be sloped to facilitate runoff.

20. The permittee shall ensure that emitter and tubing spacing is on not less than one foot centers and on not greater than three feet centers.

21. The permittee shall remove large (greater than 12-inch) stones and flagstones from the irrigation area. Any large stones brought to the surface during any trenching for the drip lines, construction, maintenance activities, and/or any disturbing of the soil shall be removed.

22. Drip irrigation lines shall be installed on the contour and lateral slopes of the tubing shall not exceed one percent. Each drainfield (zone) shall have at least one moisture sensing device placed no more than 12 inches below the drip lines in the zone's topographic low that will automatically shut off treated effluent to the drainfield when the soil becomes saturated. In the event of effluent surfacing due to damage to the drip irrigation lines, effluent application shall be shut-off to the drip irrigation zone and public access to the zone shall be restricted.

23. The subsurface drip dispersal system shall consist of a sufficient number of different dispersal zones. The minimum depth of soil above the drip irrigation lines shall be at least six inches, and the minimum depth of soil below the drip irrigation lines shall consists of at least twelve inches of usable soil. If imported soils are utilized, the permittee shall submit no later than 90 days prior to construction to the TCEQ Water Quality Assessment Team (MC 150) and to the Wastewater Permitting Section (MC 148) of the Water Quality Division a plan for review/revision and approval describing how the imported soils will be incorporated into the native soils and how soil erosion will be prevented in the affected areas.

24. The velocity of the flush water shall be at least two feet per second at the end of each dispersal zone or return line during the flushing operation

25. The permittee shall analyze the irrigation effluent annually for pH (su), electrical conductivity (mmho/cm), total Kjelhahl nitrogen (TKN in mg/L) and nitrate-nitrogen (mg/L) and calculate the total nitrogen loading in pounds per acre per year. Total nitrogen (TN) equals TKN + nitrate-nitrogen. If the annual loading rate for three consecutive years does not exceed 400 lb/acre/year, the permittee may request removal of the requirement to analyze the irrigation effluent for the above parameters together with an assessment of the data indicating non-exceedance over 400 lb/acre/year. The request shall be made to the

Water Quality Assessment Team (MC 150) for review/revision and approval with copies to TCEQ Region Office 11, Austin (MC R11) and to the Enforcement Division (MC-224). Include the annual nitrogen loading rate results with copies of the laboratory sheets with the submittal of the soil monitoring report.

26. The physical condition of the land application fields shall be monitored on a weekly basis. Any area with problems such as surface runoff, surficial erosion, or stressed or damaged vegetation, etc., shall be recorded in a field log kept onsite. Corrective measures will be implemented within 24 hours of discovery.

27. According to 30 TAC § 222.163, Closure Requirements, the permittee shall close the system under the standards set forth in this section

28. According to the requirements of 30 TAC § 222.43, the permittee shall notify the TCEQ Regional Office (MC Region 11) for each of the following activities:

    a . At least 30 days prior to the date the field layout and/or construction startup is scheduled to begin for the proposed subsurface drip irrigation system.

    b. At least 30 days prior to the date that construction is projected to be complete.

    c. Within 30 days after operation of the proposed subsurface drip irrigation system.

    d. If soils are imported, at least 30 days prior to completion of the soil importing project.

29. According to the requirements of 30 TAC § 222.45, the permittee shall submit a copy of the issued permit to the health department with jurisdiction in the area where the system is located before commencing operation of the proposed subsurface drip irrigation system. The permittee shall retain proof of delivery for the duration of the permit

30. The proposed facility is located on the Contributing Zone of the Edwards Aquifer, as mapped by the TCEQ, and is subject to 30 TAC 213 Subchapter B.

31. Any recharge features uncovered by construction or operational activities shall be addressed in an updated and certified Recharge Feature Plan (RFP). The RFP will include the best management practices implemented that will prevent impact to recharge features from wastewater application and prevent groundwater contamination. The updated certified RFP shall be submitted to the TCEQ Water Quality Assessment Team (MC 150) and the TCEQ Region Office 11 (MC R11).

32. The applicant will construct berms or swales that will prevent, or divert, stormwater from entering all subsurface wastewater application areas.

33. Permittee shall comply with the Seeps/Springs Monitoring Plan approved on February 1, 2024. The approved plan includes

    a) A procedure to conduct quarterly field checks at the drip irrigation fields and down-gradient of the fields to identify emerging springs or seeps.
    b) A procedure to grab sample of springs or seeps in the event that springs/seeps develop after drip irrigation of effluent commences.

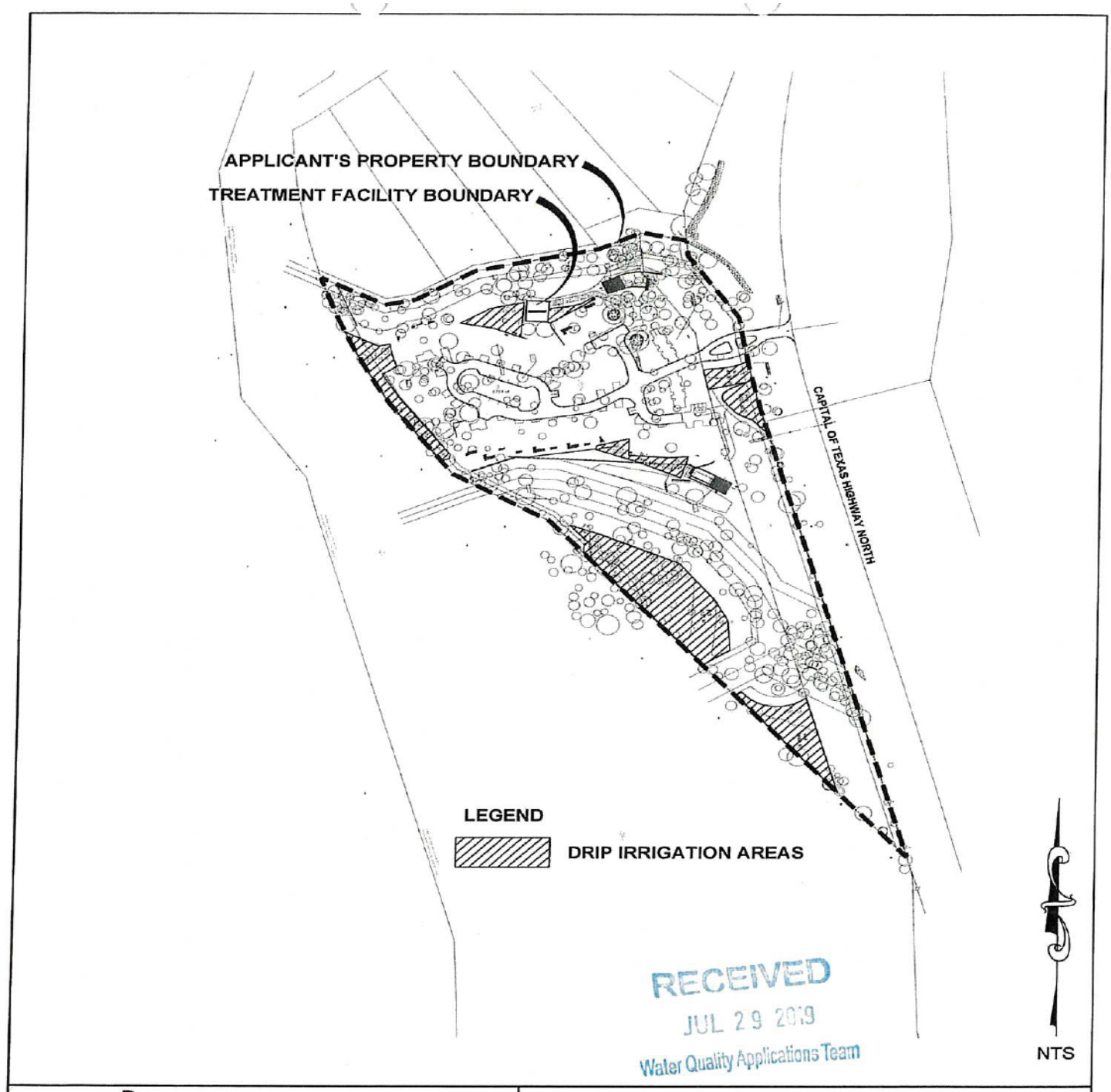
c) Quarterly field checks and sampling (if applicable) of the springs/seeps during the spring and fall sampling events shall occur after rainfall events, if possible.
d) Analysis of springs/seeps water for nutrients, including a complete nitrogen series [(Nitrate (as N), Nitrite (as N), Total Kjeldahl Nitrogen, ammonia as N], total phosphorus, chlorides, fecal coliform, pH, specific conductivity, and total dissolved solids.
e) A record of the quarterly checks and sampling of the springs and seeps shall be maintained in a field log and kept onsite for TCEQ inspection.
f) Monitoring of emerging and existing springs/seeps shall continue for the life of the system. The applicant shall implement the plan upon approval by the Water Quality Assessment Team. The executive director may request modification of the approved plan if future information indicates that it would be necessary for the protection of the environment.
g) The applicant shall submit the data from the Seeps/Springs Monitoring Plan to the Water Quality Assessment Team (MC 150) of the Water Quality Division and the Enforcement Division (MC 224) during the month of September of each year for review even if no seeps or springs are found.
h) A procedure for the implementation of corrective measures to correct the discharge if laboratory analysis indicates that wastewater is emerging as a seep or spring.

34. If the permittee uses a tablet chlorinator, the permittee shall use chlorine tablets that are EPA approved and labeled for wastewater disinfection.

35. In accordance with 30 TAC § 319.9, a permittee that has at least twelve months of uninterrupted compliance with its bacteria limit may notify the commission in writing of its compliance and request a less frequent measurement schedule. To request a less frequent schedule, the permittee shall submit a written request to the TCEQ Wastewater Permitting Section (MC 148) for each phase that includes a different monitoring frequency. The request must contain all of the reported bacteria values (Daily Avg. and Daily Max/Single Grab) for the twelve consecutive months immediately prior to the request. If the Executive Director finds that a less frequent measurement schedule is protective of human health and the environment, the permittee may be given a less frequent measurement schedule. For this permit, one per quarter may be reduced to one every six months. **A violation of any bacteria limit by a facility that has been granted a less frequent measurement schedule will require the permittee to return to the standard frequency schedule and submit written notice to the TCEQ Wastewater Permitting Section (MC 148).** The permittee may not apply for another reduction in measurement frequency for at least 24 months from the date of the last violation. The Executive Director may establish a more frequent measurement schedule if necessary to protect human health or the environment.

Attachment A Effluent pipe Routing Map , The Addie Austin Texas.

Attachment A – Site Map
TCEQ Permit No. WQ0015473001
Undine Texas Environmental, LLC



wwdengineering
engineered wastewater solutions
F-12009
9217 Hwy 290 W., Ste 110
Austin, Texas 78736
(512) 288-2111

ATTACHMENT-3
EFFLUENT PIPE ROUTING MAP
THE ADDIE
AUSTIN, TEXAS

TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	Undine Texas Environmental, LLC TCEQ Permit No. WQ0015473001
Regulated Activity:	Domestic Wastewater Permit
Type of Application:	Renewal
Request:	Renewal without changes
Authority:	Texas Water Code (TWC) § 26.027; 30 Texas Administrative Code (TAC) Chapters 222, 305, 309, 312, 319, and 30; and Commission policies.

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit includes an expiration date of **ten years from the date of issuance,** according to 30 TAC § 305.127(1)(C)(ii)(III), Conditions to be Determined for Individual Permits.

REASON FOR PROJECT PROPOSED

Undine Texas Environmental, LLC has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of TCEQ Permit No. WQ0015473001 to authorize the disposal of treated domestic wastewater at a daily average flow not to exceed 0.009 million gallons per day (MGD) via public access subsurface area drip dispersal system with a minimum area of 90,000 square feet. The existing wastewater treatment facility serves Addie residential development.

PROJECT DESCRIPTION AND LOCATION

The Addie Wastewater Treatment Facility consists of an activated sludge process plant using the extended aeration mode. Treatment units include a bar screen, an aeration basin, a final clarifier, an aerobic sludge digester, and a chlorine contact chamber. The facility is in operation.

Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ authorized land application site, Austin Wastewater Processing Facility, MSW Permit No. 2384A, in Travis County. The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

The wastewater treatment facility and disposal site are located at 800 North Capital of Texas Highway, in Travis County, Texas 78746.

The wastewater treatment facility and disposal site are located in the drainage basin of Lake Austin in Segment No. 1403 of the Colorado River. No discharge of pollutants into water in the State is authorized by this permit.

SUMMARY OF EFFLUENT DATA

The following is a summary of the applicant's effluent monitoring data for the period August 2023 through April 2025. The average of Daily Average value is computed by the averaging of all 30-day average values for the reporting period for each parameter: flow, five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS). The average of Single Grab value for *Escherichia coli* in colony-forming units (CFU) or most probable number (MPN) per 100 ml is calculated via geometric mean.

Parameter	Average of Daily Average
Flow, MGD	0.0025
BOD_5, mg/l	3.2
TSS, mg/l	11
E. coli, CFU or MPN per 100 ml	8

DRAFT PERMIT CONDITIONS

The draft permit authorizes the disposal of treated domestic wastewater effluent at a daily average flow not to exceed 0.009 MGD via public access subsurface area drip dispersal system with a minimum area of 90,000 square feet. The permittee is required to provide at least three days of temporary storage for times when the facility is out of service due to an emergency or for scheduled maintenance. Application rates shall not exceed 0.1 gallons per square foot per day. The permittee will maintain the Bermuda grass overseeded with rye grass on the disposal site.

The effluent limitations in the draft permit, based on a daily average, are 20 mg/l BOD_5, 20 mg/l TSS, and a single grab limit of 126 CFU or MPN of *E. coli* per 100 ml. The effluent shall contain a total chlorine residual of at least 1.0 mg/l after a detention time of at least 20 minutes based on peak flow.

The draft permit includes Sludge Provisions according to the requirements of 30 TAC Chapter 312, Sludge Use, Disposal and Transportation. Sludge generated from the treatment facility is hauled by a registered transporter and disposed of at a TCEQ authorized land application site, Austin Wastewater Processing Facility, MSW Permit No. 2384A, in Travis County. The draft permit authorizes the disposal of sludge at a TCEQ-authorized land application site, co-disposal landfill, wastewater treatment facility, or facility that further processes sludge.

SUMMARY OF CHANGES FROM APPLICATION

None.

SUMMARY OF CHANGES FROM EXISTING PERMIT

Effluent limitations and monitoring requirements in the draft permit remain the same as the existing permit effluent limitations and monitoring requirements. The Sludge Provisions, Special Provisions and Standard Provisions have been revised in the draft permit.

The draft permit includes all updates based on the 30 TAC § 312 rule change effective April 23, 2020.

Based on the Geology Compliance Review and the Agronomy Recommendation, Special Provision Nos. 10,11,13,17,19,24,29,21,34 and 36 has been revised in the draft permit

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application submitted with letter dated November 26,2024 and additional information submitted with letter dated August 8, 2025.

2. Existing TCEQ permit: Permit No. WQ0015473001 issued May 29, 2020.

3. Interoffice Memorandum from the Water Quality Assessment Team, Water Quality Assessment & Standards Section, Water Quality Division.

PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the Chief Clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for review and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application, and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent, along with the Executive Director's preliminary decision, as contained in the technical summary or fact sheet, to the Chief Clerk. At that time, Notice of Application and Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment, and is not a contested case proceeding.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's Response to Comments and Final Decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's Response to Comments and Final Decision is mailed. If a hearing request or request for reconsideration is filed, the

Executive Director will not issue the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the Commission grants a contested case hearing as described above, the Commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the Commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Sahil Hudda at (512) 239-4748.

Sahil Hudda — August 11,2025

Sahil Hudda — Date
Municipal Permits Team
Wastewater Permitting Section (MC 148)