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 *

* **NOTE:** This application was declared Administratively Complete before June 1, 2024. The application materials, draft permit, and technical summary or fact sheet are available for review at the Public Viewing Location provided in the NAPD.

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 **

** **NOTA:** Esta solicitud se declaró administrativamente completa antes del 1 de junio de 2024. Los materiales de la solicitud, el proyecto de permiso, y los resumen técnico u hoja de datos están disponibles para revisión en la ubicación de consulta pública que se indica en el NAPD.

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 INDUSTRIAL 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.

Wattbridge Texas LLC (CN605946615) proposes to operate Long Leaf Generating (RN111794756), a natural gas-fired electric generation station. The facility will be located at the west side of Lightfoot Road (CR127) approximately 1 mile north of the intersection with Farm-to-Market 842 Road, in Lufkin, Angelina County, Texas 75901. The facility requests a permit to discharge wastewater into Paper Mill Creek.

Discharges from the facility are expected to contain total dissolved solids, chloride, and sulfate. Reverse osmosis, Electrodeionization reject water and decant water from an oil water separator will be discharged through Outfall 001.

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

AGUAS RESIDUALES INDUSTRIALES **/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.

Wattbridge Texas LLC (CN605946615) propone operar la generadora de electricidad Long Leaf (RN111794756), una planta generadora de electricidad alimentada con gas natural. La instalación estará ubicada en el lado oeste del camino Lightfoot (CR127), aproximadamente 1 milla al norte de la intersección con la carretera Farm-to-Market 842, en Lufkin, Condado de Angelina, Texas 75901. La planta solicita un permiso de descarga de efluentes al arroyo Paper Mill a través del desagüe 001.

Se espera que las descargas de la instalación contengan sólidos disueltos totales, cloruro y sulfato. El agua de rechazo de la ósmosis inversa y de la electrodesionización y agua decantada del separador de aceite y agua se estará descargando a través del desagüe 001.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PROPOSED PERMIT NO. WQ0005456000

APPLICATION. Wattbridge Texas LLC, 2001 Proenergy Boulevard, Sedalia, Missouri 65301, which will operate a natural gas-fired electric generating station, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005456000 (EPA I.D. No. TX0145823) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed a daily average flow of 322,560 gallons per day. The facility will be located approximately one mile north of the intersection of Lightfoot Road/County Road 127 and Farm-to-Market Road 842, near the city of Lufkin, in Angelina County, Texas 75901. The discharge route will be from the plant site to an unnamed tributary, thence to Paper Mill Creek, thence to Angelina River/Sam Rayburn Reservoir. TCEQ received this application on March 26, 2024. The permit application will be available for viewing and copying at Kurth Memorial Library, 706 South Raguet Street, Lufkin, in Angelina County, Texas prior to the date this notice is published in the newspaper. 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=-94.660555,31.413611&level=18

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.

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.**

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 Wattbridge Texas LLC at the address stated above or by calling Ms. Jennifer Coleman, Director of Regulatory Compliance, at 660-829-5100.

Issuance Date: April 22, 2024

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO PROPUESTO NO. WQ0005456000

SOLICITUD. Wattbridge Texas LLC, 2001 Proenergy Boulevard, Sedalia, Missouri 65301, que operará una central eléctrica a gas natural, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0005456000 (EPA I.D. No. TX0145823) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 322,560 galones por día. La planta estará ubicada en el lado oeste del camino Lightfoot (CR127), aproximadamente 1 milla al norte de la intersección con la carretera Farm-to-Market 842, en Lufkin en el Condado de Angelina, Texas 75901. La ruta de descarga es del sitio de la planta al un afluente sin nombre, de allí a Paper Mill Creek y de allí al río Angelina/embalse Sam Rayburn. La TCEQ recibió esta solicitud el 26 de marzo de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la biblioteca Kurth Memorial Library, 706 South Raguet Street, Lufkin, en el Condado de Angelina antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.660555,31.413611&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos

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

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

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

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Ademas, puede pedir que la TCEQ ponga su nombre en una or mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado 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 de Wattbridge Texas LLC a la dirección indicada arriba o llamando a Sra. Jennifer Coleman, Directora de Cumplimiento Normativo al (660) 829-5100.

Fecha de emisión: 22 de abril de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR INDUSTRIAL WASTEWATER

NEW

Permit No. WQ0005456000

APPLICATION AND PRELIMINARY DECISION. Wattbridge Texas LLC, 2001 Proenergy Boulevard, Sedalia, Missouri 65301, which proposes to operate Long Leaf Generating, a natural gas-fired electric generation station, has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit, Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005456000, to authorize the discharge of reverse osmosis reject, electrodeionization reject, and contact stormwater at a daily average flow not to exceed 322,560 gallons per day. The draft permit authorizes the discharge of water treatemetn wastes and contact stormwater at a daily average flow not to exceed 322,560 gallons per day. The TCEQ received this application on March 26, 2024.

The facility will be located approximately one mile north of the intersection of Lightfoot Road/County Road 127 and Farm-to-Market Road 842, near the City of Lufkin, Angelina County, Texas 75901. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-94.660555,31.413611&level=18

The effluent will be discharged to an unnamed tributary, thence to Paper Mill Creek, thence to Angelina River/Sam Rayburn Reservoir in Segment No. 0615 of the Neches River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary, high aquatic life use for the Paper Mill Creek. The designated uses for Segment No. 0615 are primary contact recreation, public water supply, and high aquatic life use.

In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Paper Mill Creek, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

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 Kurth Memorial Library, 706 South Raguet Street, Lufkin, in Angelina County, Texas**.**

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 written or oral comment or to ask questions about the application. Generally, the 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 public comments, the Executive Director will consider the comments and prepare a response to all relevant and material, or significant public comments. **The response to comments, along with the Executive Director's decision on the application, will be mailed to everyone who submitted public comments or who requested to be on a 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.**

EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or a timely 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 requests 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 added to: (1) the permanent list for a specific applicant name and permit number; and (2) the mailing list for a specific county. If you wish to be placed on the permanent and 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, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 or electronically at https://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 https://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 https://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. 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 https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Wattbridge Texas LLC at the address stated above or by calling Ms. Jennifer Coleman, Director of Regulatory Compliance, at (660) 829 - 5100.

Issued: December 5, 2024

Comisión De Calidad Ambiental Del Estado De Texas

AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DEL SISTEMA DE ELIMINACION DE DESCARGAS DE CONTAMINANTES DE TEXAS (TPDES) PARA AGUAS RESIDUALES MUNICIPALES

NUEVO

PERMISO NO. WQ0005456000

SOLICITUD Y DECISIÓN PRELIMINAR. Wattbridge Texas LLC, 2001 Proenergy Boulevard, Sedalia, Missouri 65301 propone operar Long Leaf Generating, una estación de generación eléctrica a gas natural ha solicitado a la Comisión de Calidad Ambiental de Texas (TCEQ) un nuevo permiso, el Permiso del Sistema de Eliminación de Descargas Contaminantes de Texas No. WQ0005456000, que autoriza la descarga de rechazo de ósmosis inversa, rechazo de electrodesionización y aguas pluviales de contacto con un flujo promedio diario que no exceda los 322,560 galones por día. El borrador del permiso autoriza la descarga de desechos de tratamiento de agua y aguas pluviales de contacto con un flujo promedio diario que no exceda los 322,560 galones por día. La TCEQ recibió esta solicitud el 26 de marzo de 2024.

La planta estará ubicada aproximadamente una milla al norte de la intersección de Lightfoot Road/County Road 127 y la Farm-to-Market Road 842, cerca de la ciudad de Lufkin en el Condado de Angelina, Texas 75901. El siguiente enlace a un mapa electrónico de la ubicación general del sitio o instalación se proporciona como 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=-94.660555,31.413611&level=18

El efluente tratado se descargará a un afluente no identificado, de allí al arroyo Paper Mill, de allí al río Angelina / Embalse Sam Rayburn en el segmento No. 0615 de la cuenca del río Neches. Los usos no clasificados del agua receptora son el uso mínimo de vida acuática para el afluente sin nombre, el uso de vida acuática alta para el arroyo Paper Mill. Los usos designados para el Segmento No. 0615 son la recreación de contacto primario, el suministro público de agua y el uso de alta vida acuática.

De acuerdo con la 30 TAC §307.5 y los procedimientos de implementación de la TCEQ (Junio 2010) para las Normas de Calidad de Aguas Superficiales en Texas, fue realizada una revisión de la anti-degradación de las aguas recibidas. Una revisión de anti-degradación del Nivel 1 ha determinado preliminarmente que los usos de la calidad del agua existente no serán perjudicados por la acción de este permiso. Se mantendrá un criterio narrativo y numérico para proteger los usos existentes. Una revisión del Nivel 2 ha determinado preliminarmente que no se espera ninguna degradación significativa en el arroyo Paper Mill Creek, el cual se ha identificado que tiene altos usos en la vida acuática. Los usos existentes serán mantenidos y protegidos. La determinación preliminar puede ser reexaminada y puede ser modificada, si se recibe alguna información nueva.

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 es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que, si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en Kurth Memorial Library, 706 South Raguet Street, Lufkin, in Angelina County, Texas.

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

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 todos 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.**

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir una aprobación final de la solicitud a menos que exista un pedido antes del plazo de vencimiento de una audiencia administrativa de lo contencioso o se ha presentado un pedido de reconsideración. Si un pedido ha llegado antes del plazo de vencimiento de la audiencia o el pedido de reconsideración ha sido presentado, el Director Ejecutivo no emitirá una aprobación final sobre el permiso y enviará la solicitud y el pedido a los Comisionados de la TECQ para consideración en una reunión programada de la Comisión.

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

Todos los comentarios escritos del público y los pedidos para una reunión pública deben ser presentados durante los 30 días después de la publicación del aviso en el periódico a la Oficina del Secretario Principal, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o por el internet a https://www.tceq.texas.gov/goto/comment.

INFORMACION DISPINIBLE EN LINEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en https://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 y solicitudes públicas deben enviarse electrónicamente a https://www.tceq.texas.gov/goto/comment, o por escrito a la Comisión De Calidad Ambiental Del Estado De Texas, Oficina del Secretario Principal, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información de contacto que proporcione, incluido su nombre, número de teléfono, dirección de correo electrónico y dirección física, pasará a formar parte del registro público de la agencia. 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 https://www.tceq.texas.gov/agency/decisions/participation/permitting-participation. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional de Wattbridge Texas LLC a la dirección indicada arriba o llamando a Ms. Jennifer Coleman, Directora de Cumplimiento Normativo al (660) 829-5100.

Fecha de emisión: 5 de diciembre de 2024

TPDES PERMIT NO.
WQ0005456000
[For TCEQ office use only -
EPA I.D. No. TX0145823]

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
P.O. Box 13087
Austin, Texas 78711-3087

PERMIT TO DISCHARGE WASTES
under provisions of
Section 402 of the Clean Water Act
and Chapter 26 of the Texas Water Code

Wattbridge Texas LLC

whose mailing address is

2001 Proenergy Boulevard
Sedalia, Missouri 65301

is authorized to treat and discharge wastes from Long Leaf Generating, a natural gas-fired electric generation station (SIC 4911)

located approximately one mile north of the intersection of Lightfoot Road/County Road 127 and Farm-to-Market Road 842, near the City of Lufkin, Angelina County, Texas 75901

via Outfall 001 to an unnamed tributary, thence to Paper Mill Creek, thence to Angelina River/Sam Rayburn Reservoir in Segment No. 0615 of the Neches River Basin

only according to effluent limitations, monitoring requirements, and other conditions set forth in this permit, as well as the rules of the Texas Commission on Environmental Quality (TCEQ), the laws of the State of Texas, and other orders of the TCEQ. The issuance of this permit does not grant to the permittee the right to use private or public property for conveyance of wastewater along the discharge route described in this permit. This includes, but is not limited to, property belonging to any individual, partnership, corporation, or other entity. Neither does this permit authorize any invasion of personal rights nor any violation of federal, state, or local laws or regulations. It is the responsibility of the permittee to acquire property rights as may be necessary to use the discharge route.

This permit shall expire at midnight, five years from the date of permit issuance.

ISSUED DATE:

_____
For the Commission

1. During the period beginning upon the date of permit issuance and lasting through the date of permit expiration, the permittee is authorized to discharge water treatment wastes [1] and contact stormwater [1] subject to the following effluent limitations:

   The daily average flow of effluent shall not exceed 0.32256 million gallons per day (MGD). The daily maximum flow shall not exceed 0.32256 MGD.

Effluent Characteristics	Discharge Limitations			Minimum Self-Monitoring Requirements	
	Daily Average mg/L	Daily Maximum mg/L	Single Grab mg/L	Report Daily Average and Daily Maximum Measurement Frequency	Sample Type
Flow	0.32256 MGD	0.32256 MGD	N/A	Continuous	Totalizer
Chemical Oxygen Demand	N/A	200	200	1/week	Grab
Oil and Grease	N/A	15	15	1/week	Grab
Total Dissolved Solids [2]	N/A	Report	N/A	1/month	Grab
Chloride [2]	N/A	Report	N/A	1/month	Grab
Sulfate [2]	N/A	Report	N/A	1/month	Grab

2. The pH must not be less than 6.0 standard units nor greater than 9.0 standard units and must be monitored 1/week by grab sample.

3. There must be no discharge of floating solids or visible foam in other than trace amounts and no discharge of visible oil.

4. Effluent monitoring samples must be taken at the following location: At Outfall 001, prior to the unnamed intermittent tributary to Paper Mill Creek.

[1] See Other Requirement No. 3.
[2] The monitoring requirements begins upon the commencement of discharge and expires after two years of reporting or on the date of permit expiration if two years has not elapsed.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

As required by Title 30 Texas Administrative Code (TAC) Chapter 305, certain regulations appear as standard conditions in waste discharge permits. 30 TAC §§305.121 - 305.129 (relating to Permit Characteristics and Conditions) as promulgated under the Texas Water Code (TWC) §§5.103 and 5.105, and the Texas Health and Safety Code (THSC) §§361.017 and 361.024(a), establish the characteristics and standards for waste discharge permits, including sewage sludge, and those sections of 40 Code of Federal Regulations (CFR) Part 122 adopted by reference by the Commission. The following text includes these conditions and incorporates them into this permit. All definitions in Texas Water Code §26.001 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. 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 one million gallons per day or greater permitted flow.

    b. 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.

    c. Daily maximum flow - the highest total flow for any 24-hour period in a calendar month.

    d. Instantaneous flow - the measured flow during the minimum time required to interpret the flow measuring device.

    e. 2-hour peak flow (domestic wastewater treatment plants) - the maximum flow sustained for a two-hour period during the period of daily discharge. The average of multiple measurements of instantaneous maximum flow within a two-hour period may be used to calculate the 2-hour peak flow.

    f. Maximum 2-hour peak flow (domestic wastewater treatment plants) - the highest 2-hour peak flow for any 24-hour period in a calendar month.

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.

    d. Daily discharge - the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in terms of mass, the “daily discharge” is calculated as the total

mass of the pollutant discharged over the sampling day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the sampling day.

The "daily discharge" determination of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the "daily discharge" determination of concentration shall be the arithmetic average (weighted by flow value) of all samples collected during that day.

e. Bacteria concentration (Fecal coliform, *E. coli*, or Enterococci) – the number of colonies of bacteria per 100 milliliters effluent. The daily average bacteria concentration is a geometric mean of the values for the effluent samples collected in a calendar month. The geometric mean shall be determined by calculating the nth root of the product of all measurements made in a calendar month, where n equals the number of measurements made; or computed as the antilogarithm of the arithmetic mean of the logarithms of all measurements made in a calendar month. For any measurement of bacteria equaling zero, a substitute value of one shall be made for input into either computation method. If specified, the 7-day average for bacteria is the geometric mean of the values for all effluent samples collected during a calendar week.

f. Daily average loading (lbs/day) - the arithmetic average of all daily discharge loading calculations during a period of one calendar month. These calculations must be made for each day of the month that a parameter is analyzed. The daily discharge, in terms of mass (lbs/day), is calculated as (Flow, MGD × Concentration, mg/L × 8.34).

g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), 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(c).

   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 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 that have not been classified as hazardous waste separated from wastewater by unit processes.

6. Bypass - the intentional diversion of a waste stream from any portion of a treatment facility.

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

   Monitoring results shall be provided 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 and reporting in accordance with 30 TAC §§319.4 - 319.12. Unless otherwise specified, effluent monitoring data shall be submitted each month, to the Enforcement Division (MC 224), by the 20th day of the following month for each discharge that is described by this permit whether or not a discharge is made for that month. Monitoring results must be submitted online using the NetDMR reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. Monitoring results must be signed and certified as required by Monitoring and Reporting Requirements No. 10.

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act; TWC Chapters 26, 27, and 28; and THSC 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 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 use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR §264.73(b)(9) 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, application or certification. 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 the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

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 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 that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. 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. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. 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 that exceeds any effluent limitation in the permit.
      iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.

   c. In addition to the above, any effluent violation that 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. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

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 that 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) that 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 that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that 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).

11. All POTWs must provide adequate notice to the Executive Director of the following:

a. any new introduction of pollutants into the POTW from an indirect discharger that would be subject to CWA §301 or §306 if it were directly discharging those pollutants;

b. any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit; and

c. for the purpose of this paragraph, adequate notice shall include information on:

i. the quality and quantity of effluent introduced into the POTW; and
ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

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 that 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 TWC §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 Other Requirements section of this permit.

h. In accordance with 30 TAC §305.535(a), the permittee may allow any bypass to occur from a TPDES permitted facility that does not cause permitted effluent limitations to be exceeded or an unauthorized discharge to occur, but only if the bypass is also for essential maintenance to assure efficient operation.

i. 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) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC 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 TWC §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 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 to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or

      ii. the alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants that are subject neither to effluent limitations in the permit, nor to notification requirements in Monitoring and Reporting Requirements No. 9; or

      iii. 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 that are not described in the permit application or that 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 TWC §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.

   f. If any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under CWA §307(a) for a toxic pollutant that is present in the discharge and that standard or prohibition is more stringent than any limitation on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition. The permittee shall comply with effluent standards or prohibitions established under CWA §307(a) for toxic pollutants within the time provided in the regulations that established those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

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 that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

   Disposal of treated effluent by any means other than discharge directly to water in the state must be specifically authorized in this permit and may require a permit pursuant to Texas Water Code Chapter 11.

8. Property Rights

   A permit does not convey any property rights of any sort, or any exclusive privilege.

9. 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.

10. 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.

11. 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(15)) 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 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 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, 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 TWC §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 required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other 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 that 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% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90% 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 or collection facilities. In the case of a domestic wastewater treatment facility that reaches 75% 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 judgment 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. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.

11. Facilities that 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.

12. 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 THSC Code Chapter 361.

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OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 10 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 10 and Compliance Monitoring Team (MC 224): None.

2. Reporting requirements according to 30 TAC §§ 319.1-319.12 and any additional effluent reporting requirements contained in the permit are suspended from the effective date of the permit until plant startup or discharge, whichever occurs first, from the facility described by this permit. The permittee shall provide written notice to the TCEQ Region 10 Office, Applications Review and Processing Team (MC 148) of the Water Quality Division, and Compliance Monitoring Team (MC 224) at least forty-five days prior to plant startup or anticipated discharge, whichever occurs first, on Notification of Completion Form 20007.

3. Definitions:

   a) For the purpose of this permit, the term *water treatment wastes* includes, but is not limited to, cold lime water treatment wastes, demineralizer backwash, filter backwash, ion exchange water treatment system wastes, membrane regeneration wastes, reverse osmosis reject water, and electrodeionization backwash water.

   b) For the purpose of this permit, the term *contact stormwater* means water that has come into contact with lubricating oils used within closed turbine systems. This occurs when rainfall enters a collection cup in the turbine area, mixing with spray water and lubricating oil. This resulting oily water mixture, collected in Emergency Drain Tanks for disposal, is treated as contact stormwater due to the contamination with lubricating oil.

4. There is no mixing zone established for this discharge to an intermittent stream. Acute toxic criteria apply at the point of discharge.

5. This permit does not authorize the discharge of domestic wastewater. All domestic wastewater must be disposed of in an approved manner, such as routing to an approved on-site septic tank and drainfield system or to an authorized third party for treatment and disposal.

6. The permittee shall submit toxicity information, including Safety Data Sheets (SDS), for any chemicals proposed for use at the facility at least 30 days prior to their intended application. The TCEQ shall review the submitted information and provide written approval or denial of the proposed chemicals within 30 days of receipt. In the absence of a response from TCEQ within the specified 30-day review period, the proposed chemicals shall be considered approved for use by the Permittee.

7. Wastewater discharged via Outfall 001 must be sampled and analyzed as directed below for those parameters listed in Tables 1, 2, and 3 of Attachment A of this permit. Analytical testing for Outfall 001 must be completed within 60 days of initial discharge. Results of the analytical testing must be submitted within 90 days of initial discharge to the TCEQ Industrial Permits Team (MC 148) and Region 10 Office. Based on a technical review of the submitted analytical results, an amendment may be initiated by TCEQ staff to include additional effluent limitations, monitoring requirements, or both.

   Table 1: Analysis is required for all pollutants in Table 1. Wastewater must be sampled and analyzed for those parameters listed in Table 1 for a minimum of four sampling events that are each at least one week apart.

Table 2: Analysis is required for those pollutants in Table 2 that are used at the facility that could in any way contribute to contamination in the Outfall 001 discharge. Sampling and analysis must be conducted for a minimum of four sampling events that are each at least one week apart.

Table 3: For all pollutants listed in Table 3, the permittee shall indicate whether each pollutant is believed to be present or absent in the discharge. Sampling and analysis must be conducted for each pollutant believed present for a minimum of one sampling event.

The permittee shall report the flow at Outfall 001 in MGD in the attachment. The permittee shall indicate on each table whether the samples are composite (C) or grab (G) by checking the appropriate box.

Attachment A

Table 1

Outfall No.: ☐C ☐G	**Effluent Concentration (mg/L)**					
Pollutant	**Samp.**	**Samp.**	**Samp.**	**Samp.**	**Average**	
Flow (MGD)						
BOD (5-day)						
CBOD (5-day)						
Chemical Oxygen Demand						
Total Organic Carbon						
Dissolved Oxygen						
Ammonia Nitrogen						
Total Suspended Solids						
Nitrate Nitrogen						
Total Organic Nitrogen						
Total Phosphorus						
Oil and Grease						
Total Residual Chlorine						
Total Dissolved Solids						
Sulfate						
Chloride						
Fluoride						
Total Alkalinity (mg/L as $CaCO_3$)						
Temperature (°F)						
pH (Standard Units; min/max)						

Pollutant	**Effluent Concentration (µg/L)[1]**					**MAL[2] (µg/L)**
	Samp.	**Samp.**	**Samp.**	**Samp.**	**Average**	
Aluminum, Total						2.5
Antimony, Total						5
Arsenic, Total						0.5
Barium, Total						3
Beryllium, Total						0.5
Cadmium, Total						1
Chromium, Total						3
Chromium, Hexavalent						3
Chromium, Trivalent						N/A
Copper, Total						2
Cyanide, Free						10
Lead, Total						0.5
Mercury, Total						0.005
Nickel, Total						2

[1] Indicate units if different than µg/L.
[2] Minimum Analytical Level

Selenium, Total						5
Silver, Total						0.5
Thallium, Total						0.5
Zinc, Total						5.0

Table 2

Outfall No.: ☐C ☐G **Pollutant**	**Samp. 1 (µg/L)**[3]	**Samp. 2 (µg/L)**[3]	**Samp. 3 (µg/L)**[3]	**Samp. 4 (µg/L)**[3]	**Avg. (µg/L)**[3]	**MAL (µg/L)**
Acrolein						0.7
Acrylonitrile						50
Anthracene						10
Benzene						10
Benzidine						50
Benzo(*a*)anthracene						5
Benzo(*a*)pyrene						5
Bis(2-chloroethyl)ether						10
Bis(2-ethylhexyl) phthalate						10
Bromodichloromethane						10
Bromoform						10
Carbon Tetrachloride						2
Chlorobenzene						10
Chlorodibromomethane						10
Chloroform						10
Chrysene						5
Cresols						10
1,2-Dibromoethane						10
m-Dichlorobenzene						10
o-Dichlorobenzene						10
p-Dichlorobenzene						10
3,3'-Dichlorobenzidine						5
1,2-Dichloroethane						10
1,1-Dichloroethylene						10
Dichloromethane						20
1,2-Dichloropropane						10
1,3-Dichloropropylene						10
2,4-Dimethylphenol						10
Di-*n*-Butyl Phthalate						10
Epichlorohydrin						1,000
Ethylbenzene						10
Ethylene Glycol						—
Fluoride						500
Hexachlorobenzene						5
Hexachlorobutadiene						10

[3] Indicate units if different than µg/L.

Outfall No.: ☐C ☐G Pollutant	Samp. 1 (µg/L)[3]	Samp. 2 (µg/L)[3]	Samp. 3 (µg/L)[3]	Samp. 4 (µg/L)[3]	Avg. (µg/L)[3]	MAL (µg/L)
Hexachlorocyclopentadiene						10
Hexachloroethane						20
4,4′-Isopropylidenediphenol [bisphenol A]						—
Methyl Ethyl Ketone						50
Methyl *tert*-butyl ether [MTBE]						—
Nitrobenzene						10
N-Nitrosodiethylamine						20
N-Nitroso-di-*n*-Butylamine						20
Nonylphenol						333
Pentachlorobenzene						20
Pentachlorophenol						5
Phenanthrene						10
Polychlorinated Biphenyls (PCBs) [4]						0.2
Pyridine						20
1,2,4,5-Tetrachlorobenzene						20
1,1,2,2-Tetrachloroethane						10
Tetrachloroethylene						10
Toluene						10
1,1,1-Trichloroethane						10
1,1,2-Trichloroethane						10
Trichloroethylene						10
2,4,5-Trichlorophenol						50
TTHM (Total Trihalomethanes)						10
Vinyl Chloride						10

Table 3

Outfall No. ☐C ☐G Pollutant	Believed Present	Believed Absent	Average Concentration (mg/L)	Maximum Concentration (mg/L)	No. of Samples	MAL (mg/L)
Bromide						0.400
Color (PCU)						—
Nitrate-Nitrite (as N)						—
Sulfide (as S)						—
Sulfite (as SO_3)						—
Surfactants						—
Boron, total						0.020
Cobalt, total						0.0003

[4] Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, PCB-1016. If all values are non-detects, enter the highest non-detect preceded by a "<" symbol.

Outfall No. ☐C ☐G Pollutant	Believed Present	Believed Absent	Average Concentration (mg/L)	Maximum Concentration (mg/L)	No. of Samples	MAL (mg/L)
Iron, total						0.007
Magnesium, total						0.020
Manganese, total						0.0005
Molybdenum, total						0.001
Tin, total						0.005
Titanium, total						0.030

STATEMENT OF BASIS/TECHNICAL SUMMARY AND
EXECUTIVE DIRECTOR'S PRELIMINARY DECISION

DESCRIPTION OF APPLICATION

Applicant:	Wattbridge Texas LLC; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005456000 (EPA I.D. No. TX0145823)
Regulated activity:	Industrial wastewater permit
Type of application:	New permit
Request:	New permit
Authority:	Federal Clean Water Act (CWA) §402; Texas Water Code (TWC) §26.027; 30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, and Chapters 307 and 319; commission policies; and Environmental Protection Agency (EPA) guidelines

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 will expire at midnight, five years from the date of permit issuance according to the requirements of 30 TAC §305.127(1)(C)(i).

REASON FOR PROJECT PROPOSED

The applicant has applied to the Texas Commission on Environmental Quality (TCEQ) for a new permit.

PROJECT DESCRIPTION AND LOCATION

The applicant proposes to operate Long Leaf Generating, a natural gas-fired electric generation station.

The Long Leaf Generating Power Station will be comprised of twelve (12) natural gas-fired simple cycle combustion turbines and ancillary equipment at a green field site. The power station will operate when electric market conditions are favorable.

The station will use the water source from the City of Lufkin which operates 11 groundwater wells or by well water directly from onsite. The total potential maximum water intake is 675 gallons per minute. All of the water will be passed through reverse osmosis (RO) and polishing step called electrodeionization (EDI). These processes will demineralize (DEMIN) the water. The DEMIN water will be stored in a tank on site and passed through the turbines to cool air/gas on demand. The DEMIN water will passe through the turbines for cooling that is completely evaporated with no resulting discharge to surface waters in the state. This DEMIN process will generate the wastestreams of RO/EDI reject. Contact stormwater is generated when lubricating oil, used within closed systems in turbines, comes into contact with water. Water is sprayed inside the turbines to boost power output. This water, now mixed with lubricating oil, is collected and sent to emergency drain tanks (EDTs) for disposal. The piping system, which is made of closed steel pipes, runs from the turbine to the EDT and connects to a collection cup that extends upward from the concrete. During certain storm conditions, rainfall can enter this cup and mix with the spray water and lubricating oil, increasing the amount of oily water. This mixture is treated as contact stormwater. The facility may decant this oily water and recover any supernatant wastewater for discharge through Outfall 001, if oil free.The facility does not plan to use cooling towers or once-through cooling water that discharge cooling tower blowdown or once-through cooling water.

Domestic wastewater is not authorized in the draft permit. Domestic wastewater will be collected and hauled off by a permitted company for treatment and disposal.

The facility will be located approximately one mile north of the intersection of Lightfoot Road/County Road 127 and Farm-to-Market Road 842, near the City of Lufkin, Angelina County, Texas 75901.

Discharge Route
The effluent will be discharged an unnamed tributary, thence to Paper Mill Creek, thence to Angelina River/Sam Rayburn Reservoir in Segment No. 0615 of the Neches River Basin. The unclassified receiving water uses are minimal aquatic life use for the unnamed tributary and high aquatic life use for the Paper Mill Creek. The designated uses for Segment No. 0615 are primary contact recreation, public water supply, and high aquatic life use. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

Antidegradation Review
In accordance with 30 Texas Administrative Code §307.5 and the TCEQ Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Paper Mill Creek, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Endangered Species Review
The discharge from this permit is not expected to have an effect on any federal endangered or threatened aquatic or aquatic-dependent species or proposed species or their critical habitat. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the TPDES program (September 14, 1998; October 21, 1998 update). To make this determination for TPDES permits, TCEQ and the EPA only considered aquatic or aquatic-dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS's biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Impaired Water Bodies
Segment No. 0615 is currently listed on the State's inventory of impaired and threatened waters (the 2022 Clean Water Act Section 303(d) list). The listings are for dioxin in edible tissue, mercury in edible tissue, and depresses dissolved oxygen from the riverine portion of Sam Rayburn Reservoir from a point 5.6 km upstream of Marion's Ferry to the aqueduct crossing 1.0 km upstream of the confluence of Paper Mill Creek (AU 0615_01). Paper Mill Creek (0615A) is also currently listed on the 2022 303(d) list for bacteria in water from the confluence of Angelina River/ Sam Rayburn upstream to confluence with Mill Creek (AU 0615A_01).

Due to the characteristics of this type of facility, the discharge of water treatment wastes and stormwater is not expected to contain dioxin or mercury in the effluent. In addition, based on the TCEQ Interoffice Memorandum from Water Quality Assessment Section, the proposed effluent is anticipated to have low levels of oxygen demanding substances, therefore, no significant dissolved oxygen depletion is expected in the receiving waters as a result of this discharge. The permit action is not expected contributing to the impairment of dioxin and mercury in edible tissue and depressed

dissolved oxygen to the segment. No domestic wastewater is authorized in the draft permit and there is no other known source of bacteria in the effluent, therefore, the discharge is not expected to contributed the impairment of bacteria in the segment.

Completed Total Maximum Daily Loads (TMDLs)
There are no completed TMDLs for Segment No. 0615.

Dissolved Oxygen
Due to the low levels of oxygen demanding substances expected in the wastewaters from this facility, no significant dissolved oxygen depletion is anticipated in the receiving waters as a result of this discharge.

SUMMARY OF EFFLUENT DATA

Self-reporting data is not available because the facility has not been constructed.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of water treatment wastes and contact stormwater at a daily average flow not to exceed 0.32256 million gallons per day (MGD) via Outfall 001.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Daily Average mg/L	Daily Maximum mg/L
001	Flow	0.32256 MGD	0.32256 MGD
	Chemical Oxygen Demand	N/A	200
	Oil and Grease	N/A	15
	Total Dissolved Solids	N/A	Report
	Chloride	N/A	Report
	Sulfate	N/A	Report
	pH	6.0 SU, minimum	9.0 SU

OUTFALL LOCATIONS

Outfall	Latitude	Longitude
001	31.412666 N	94.662186 W

Technology-Based Effluent Limitations
Regulations in Title 40 of the Code of Federal Regulations (40 CFR) require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines. 40 CFR Part 423 does not apply based on the simple cycle combustion turbine process which does not involve a combined cycle with waste heat used for steam generation. The discharge of water treatment wastes and contact stormwater are not subject to any federal effluent limitations guidelines. The effluent limits for chemical oxygen demand, oil and grease, and pH are based on TCEQ's practices on the discharge of stormwater associated with industrial activity.

Water Quality-Based Effluent Limitations
Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix A. Aquatic life criteria established in Table 1 and human health

criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team's memorandum dated May 2, 2024. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation.

No analytical data were reported in the application because the facility has not been constructed. Retesting requirement has been proposed in the draft permit. The screening would be conducted when the analytical data is received.

Total Dissolved Solids (TDS), Chloride, and Sulfate Screening
No analytical data were reported in the application because the facility has not been constructed. Retesting requirement (Other Requirement No. 7) has been proposed in the draft permit. The screening would be conducted when the analytical data is received. The monitoring requirements for total dissolved solids, chloride, and sulfate are proposed with regard to the characteristics of this type of facility based on BPJ.

pH Screening
The proposed permit includes pH limits of 6.0 – 9.0 SU at Outfall 001, which discharges into an unclassified water body. Consistent with the procedures for pH screening that were submitted to EPA with a letter dated May 28, 2014, and approved by EPA in a letter dated June 2, 2014, requiring a discharge to an unclassified water body to meet pH limits of 6.0 – 9.0 standard units reasonably ensures instream compliance with *Texas Surface Water Quality Standards* pH criteria. These limits are proposed in the draft permit.

Whole Effluent Toxicity Testing (Biomonitoring)
Biomonitoring requirements are not included in the draft permit at Outfall 001 based on TCEQ's practices established in the *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010).

SUMMARY OF CHANGES FROM APPLICATION

No changes were made from the application.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on March 26, 2024, and additional information received on April 4, 2024 and April 22, 2024.
2. TCEQ Rules.
3. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 1, 2018, as approved by EPA Region 6.
4. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6, for portions of the 2018 standards not approved by EPA Region 6.
5. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 standards not approved by EPA Region 6.

6. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 standards not approved by EPA Region 6.
7. *Procedures to Implement the Texas Surface Water Quality Standards* (IPs), Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
8. *Procedures to Implement the Texas Surface Water Quality Standards*, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IPs not approved by EPA Region 6.
9. Memos from the Standards Implementation Team and Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
10. *Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits*, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
11. EPA Effluent Guidelines: N/A.
12. Consistency with the Coastal Management Plan: N/A
13. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures).
14. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures).
15. General Guidance – Industrial Permits: Uncontaminated Stormwater Runoff, EPA, January 1997.

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 reviewing 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 to the Chief Clerk, along with the Executive Director's preliminary decision contained in the technical summary or fact sheet. At that time, the 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 hearing.

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 Ruiqiang Zong at (512) 239-4589.

Ruiqiang Zong
Ruiqiang Zong

June 24, 2024
Date

Appendix A
Calculated Water Quality-Based Effluent Limits

TEXTOX MENU #2 - INTERMITTENT STREAM WITHIN 3 MILES OF A FRESHWATER PERENNIAL STREAM/RIVER

The water quality-based effluent limitations developed below are calculated using:

Table 1, 2014 Texas Surface Water Quality Standards (30 TAC 307) for Freshwater Aquatic Life
Table 2, 2018 Texas Surface Water Quality Standards for Human Health
"Procedures to Implement the Texas Surface Water Quality Standards," TCEQ, June 2010

PERMIT INFORMATION

Permittee Name:	Wattbridge Texas LLC
TPDES Permit No.:	WQ0005456000
Outfall No.:	001
Prepared by:	RUIQINAG ZONG
Date:	6/24/2024

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	Unnamed tributary
Perennial Stream/River within 3 Miles:	Paper Mill Creek
Segment No.:	0615
TSS (mg/L):	8
pH (Standard Units):	6.6
Hardness (mg/L as $CaCO_3$):	34
Chloride (mg/L):	23
Effluent Flow for Aquatic Life (MGD):	0.32556
Critical Low Flow [7Q2] (cfs) for intermittent:	0
Critical Low Flow [7Q2] (cfs) for perennial:	0.18
% Effluent for Chronic Aquatic Life (Mixing Zone):	73.67
% Effluent for Acute Aquatic Life (ZID):	100
Effluent Flow for Human Health (MGD):	0.32256
Harmonic Mean Flow (cfs) for perennial:	0.25
% Effluent for Human Health:	66.625
Human Health Criterion (select: PWS, FISH, or INC)	**FISH**

CALCULATE DISSOLVED FRACTION (AND ENTER WATER EFFECT RATIO IF APPLICABLE):

Stream/River Metal	*Intercept (b)*	*Slope (m)*	*Partition Coefficient (Kp)*	*Dissolved Fraction (Cd/Ct)*	*Source*	*Water Effect Ratio (WER)*	*Source*
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	104892.47	0.544		1.00	Assumed
Cadmium	6.60	-1.13	379759.21	0.248		1.00	Assumed
Chromium (total)	6.52	-0.93	478769.32	0.207		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	478769.32	0.207		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	224757.09	0.357		1.00	Assumed
Lead	6.45	-0.80	533983.71	0.190		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	149705.83	0.455		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	281719.76	0.307		1.00	Assumed
Zinc	6.10	-0.70	293654.74	0.299		1.00	Assumed

AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*FW Acute Criterion (µg/L)*	*FW Chronic Criterion (µg/L)*	*WLAa (µg/L)*	*WLAc (µg/L)*	*LTAa (µg/L)*	*LTAc (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Aldrin	3.0	N/A	3.0	N/A	1.72	N/A	2.53	5.35
Aluminum	991	N/A	991	N/A	568	N/A	835	1766
Arsenic	340	150	625	374	358	288	424	897
Cadmium	3.0	0.116	12.1	0.64	6.9	0.49	0.72	1.52
Carbaryl	2.0	N/A	2.0	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.4	0.0054	1.38	0.0042	0.0061	0.0130
Chlorpyrifos	0.083	0.041	0.083	0.056	0.048	0.043	0.063	0.133
Chromium (trivalent)	235	31	1137	201	652	155	227	481
Chromium (hexavalent)	15.7	10.6	15.7	14.4	9.00	11.1	13.2	28.0
Copper	5.1	3.8	14.4	14.3	8.2	11.0	12.1	26
Cyanide (free)	45.8	10.7	45.8	14.5	26.2	11.2	16.4	34.8
4,4'-DDT	1.1	0.001	1.1	0.0014	0.630	0.0010	0.0015	0.0033
Demeton	N/A	0.1	N/A	0.136	N/A	0.105	0.154	0.325
Diazinon	0.17	0.17	0.17	0.231	0.097	0.178	0.143	0.303
Dicofol [Kelthane]	59.3	19.8	59.3	26.9	34.0	20.7	30.4	64.4
Dieldrin	0.24	0.002	0.24	0.0027	0.138	0.0021	0.0031	0.0065
Diuron	210	70	210	95	120	73	108	228
Endosulfan I (*alpha*)	0.22	0.056	0.22	0.076	0.126	0.059	0.086	0.182
Endosulfan II (*beta*)	0.22	0.056	0.22	0.076	0.126	0.059	0.086	0.182
Endosulfan sulfate	0.22	0.056	0.22	0.076	0.126	0.059	0.086	0.182
Endrin	0.086	0.002	0.086	0.0027	0.049	0.0021	0.0031	0.0065
Guthion [Azinphos Methyl]	N/A	0.01	N/A	0.014	N/A	0.010	0.015	0.033
Heptachlor	0.52	0.004	0.52	0.0054	0.298	0.0042	0.0061	0.0130
Hexachlorocyclohexane (*gamma*) [Lindane]	1.126	0.08	1.126	0.109	0.645	0.084	0.123	0.260
Lead	20	0.76	103	5.5	59	4.2	6.2	13
Malathion	N/A	0.01	N/A	0.014	N/A	0.010	0.015	0.033
Mercury	2.4	1.3	2.4	1.76	1.38	1.36	2.00	4.23
Methoxychlor	N/A	0.03	N/A	0.041	N/A	0.031	0.046	0.098
Mirex	N/A	0.001	N/A	0.0014	N/A	0.0010	0.0015	0.0033
Nickel	188	20.9	413	62	237	48	70	149
Nonylphenol	28	6.6	28	9.0	16.0	6.90	10.1	21.5
Parathion (ethyl)	0.065	0.013	0.065	0.018	0.037	0.014	0.020	0.042
Pentachlorophenol	5.8	4.5	5.8	6.1	3.3	4.7	4.9	10.4
Phenanthrene	30	30	30	40.7	17.2	31.4	25.3	53.5
Polychlorinated Biphenyls [PCBs]	2.0	0.014	2.0	0.019	1.15	0.015	0.022	0.046
Selenium	20	5	20	6.79	11.5	5.23	7.7	16.3
Silver	0.8	N/A	6.14	N/A	3.52	N/A	5.17	10.9
Toxaphene	0.78	0.0002	0.78	0.00027	0.447	0.00021	0.00031	0.00065
Tributyltin [TBT]	0.13	0.024	0.13	0.033	0.074	0.025	0.037	0.078
2,4,5 Trichlorophenol	136	64	136	87	77.9	66.9	98	208
Zinc	47	47	157	215	90	166	133	280

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Water and Fish Criterion (µg/L)*	*Fish Only Criterion (µg/L)*	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Acrylonitrile	1.0	115	1150	172.61	160.52	235.97	499.23
Aldrin	1.146E-05	1.147E-05	1.147E-04	1.72E-05	1.60E-05	2.35E-05	4.98E-05
Anthracene	1109	1317	13170	1977	1838	2702	5717
Antimony	6	1071	10710	1607.5	1495.0	2197.6	4649.4
Arsenic	10	N/A	N/A	N/A	N/A	N/A	N/A
Barium	2000	N/A	N/A	N/A	N/A	N/A	N/A
Benzene	5	581	5810	872.0	811.0	1192.2	2522.2
Benzidine	0.0015	0.107	1.07	0.1606	0.1494	0.2196	0.4645
Benzo(*a*)anthracene	0.024	0.025	0.25	0.038	0.035	0.051	0.109
Benzo(*a*)pyrene	0.0025	0.0025	0.025	0.0038	0.0035	0.005	0.011
Bis(chloromethyl)ether	0.0024	0.2745	2.745	0.4120	0.3832	0.563	1.192
Bis(2-chloroethyl)ether	0.60	42.83	428.3	64.28	59.78	87.88	185.93
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	6	7.55	75.5	11.3	10.5	15.5	32.8
Bromodichloromethane [Dichlorobromomethane]	10.2	275	2750	412.8	383.9	564.3	1194
Bromoform [Tribromomethane]	66.9	1060	10600	1591	1480	2175	4602
Cadmium	5	N/A	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	4.5	46	460	69.0	64.2	94.4	199.7
Chlordane	0.0025	0.0025	0.025	0.0038	0.0035	0.005	0.011
Chlorobenzene	100	2737	27370	4108	3820	5616	11882
Chlorodibromomethane [Dibromochloromethane]	7.5	183	1830	274.7	255.4	375.5	794.4
Chloroform [Trichloromethane]	70	7697	76970	11553	10744	15794	33414
Chromium (hexavalent)	62	502	5020	753	701	1030	2179
Chrysene	2.45	2.52	25.2	3.78	3.52	5.2	10.9
Cresols [Methylphenols]	1041	9301	93010	13960	12983	19085	40377
Cyanide (free)	200	N/A	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.002	0.002	0.02	0.0030	0.0028	0.0041	0.0087
4,4'-DDE	0.00013	0.00013	0.0013	0.00020	0.00018	0.00027	0.00056
4,4'-DDT	0.0004	0.0004	0.004	0.0006	0.0006	0.0008	0.0017
2,4'-D	70	N/A	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	262	473	4730	710	660	971	2053
1,2-Dibromoethane [Ethylene Dibromide]	0.17	4.24	42.4	6.364	5.918	8.700	18.41
m-Dichlorobenzene [1,3-Dichlorobenzene]	322	595	5950	893	831	1221	2583
o-Dichlorobenzene [1,2-Dichlorobenzene]	600	3299	32990	4952	4605	6769	14321
p-Dichlorobenzene [1,4-Dichlorobenzene]	75	N/A	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	0.79	2.24	22.4	3.36	3.13	4.60	9.72
1,2-Dichloroethane	5	364	3640	546.3	508.1	746.9	1580.2
1,1-Dichloroethylene [1,1-Dichloroethene]	7	55114	551140	82722.3	76931.7	113089.6	239257.6
Dichloromethane [Methylene Chloride]	5	13333	133330	20011.9	18611.1	27358.3	57880.4
1,2-Dichloropropane	5	259	2590	388.7	361.5	531.4	1124.4
1,3-Dichloropropene [1,3-Dichloropropylene]	2.8	119	1190	178.61	166.11	244.2	516.6
Dicofol [Kelthane]	0.30	0.30	3	0.45	0.419	0.62	1.30
Dieldrin	2.0E-05	2.0E-05	2.0E-04	0.000030	0.000028	0.000041	0.000087
2,4-Dimethylphenol	444	8436	84360	12662	11776	17310	36622
Di-*n*-Butyl Phthalate	88.9	92.4	924	139	129	190	401
Dioxins/Furans [TCDD Equivalents]	7.80E-08	7.97E-08	7.97E-07	1.20E-07	1.11E-07	1.64E-07	3.46E-07
Endrin	0.02	0.02	0.2	0.030	0.028	0.041	0.087
Epichlorohydrin	53.5	2013	20130	3021	2810	4131	8739

HUMAN HEALTH

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Water and Fish Criterion (µg/L)*	*Fish Only Criterion (µg/L)*	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Ethylbenzene	700	1867	18670	2802	2606	3831	8105
Ethylene Glycol	46744	1.68E+07	1.68E+08	25215625	23450531	34472281	72931152
Fluoride	4000	N/A	N/A	N/A	N/A	N/A	N/A
Heptachlor	8.0E-05	0.0001	0.001	0.00015	0.00014	0.00021	0.00043
Heptachlor Epoxide	0.00029	0.00029	0.0029	0.0004	0.0004	0.0006	0.0013
Hexachlorobenzene	0.00068	0.00068	0.0068	0.0010	0.0009	0.0014	0.0030
Hexachlorobutadiene	0.21	0.22	2.2	0.330	0.307	0.451	0.955
Hexachlorocyclohexane (*alpha*)	0.0078	0.0084	0.084	0.013	0.012	0.017	0.036
Hexachlorocyclohexane (*beta*)	0.15	0.26	2.6	0.390	0.363	0.533	1.13
Hexachlorocyclohexane (*gamma*) [Lindane]	0.2	0.341	3.41	0.512	0.476	0.700	1.48
Hexachlorocyclopentadiene	10.7	11.6	116	17.4	16.2	23.8	50
Hexachloroethane	1.84	2.33	23.3	3.50	3.25	4.78	10.1
Hexachlorophene	2.05	2.90	29	4.35	4.05	5.95	12.6
4,4'-Isopropylidenediphenol [Bisphenol A]	1092	15982	159820	23988	22309	32794	69380
Lead	1.15	3.83	38.3	30.3	28.2	41.4	87.7
Mercury	0.0122	0.0122	0.122	0.018	0.017	0.025	0.053
Methoxychlor	2.92	3.0	30	4.5	4.19	6.2	13.0
Methyl Ethyl Ketone	13865	9.92E+05	9.92E+06	1488923	1384698	2035506	4306411
Methyl *tert*-butyl ether [MTBE]	15	10482	104820	15732.7	14631.5	21508.2	45504
Nickel	332	1140	11400	3760	3497	5141	10876
Nitrate-Nitrogen (as Total Nitrogen)	10000	N/A	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	45.7	1873	18730	2811	2614	3843	8131
N-Nitrosodiethylamine	0.0037	2.1	21	3.152	2.931	4.309	9.116
N-Nitroso-di-*n*-Butylamine	0.119	4.2	42	6.304	5.863	8.618	18.23
Pentachlorobenzene	0.348	0.355	3.55	0.53	0.50	0.73	1.54
Pentachlorophenol	0.22	0.29	2.9	0.435	0.405	0.60	1.26
Polychlorinated Biphenyls [PCBs]	6.4E-04	6.4E-04	6.40E-03	0.0010	0.0009	0.0013	0.0028
Pyridine	23	947	9470	1421.4	1321.9	1943	4111
Selenium	50	N/A	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.23	0.24	2.4	0.360	0.335	0.49	1.04
1,1,2,2-Tetrachloroethane	1.64	26.35	263.5	39.55	36.78	54.07	114.4
Tetrachloroethylene [Tetrachloroethylene]	5	280	2800	420.3	390.8	574.5	1215.5
Thallium	0.12	0.23	2.3	0.345	0.321	0.472	1.00
Toluene	1000	N/A	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.011	0.011	0.11	0.017	0.015	0.023	0.048
2,4,5-TP [Silvex]	50	369	3690	554	515	757	1602
1,1,1-Trichloroethane	200	784354	7843540	1177260	1094852	1609433	3404991
1,1,2-Trichloroethane	5	166	1660	249.2	231.7	340.6	720.6
Trichloroethylene [Trichloroethene]	5	71.9	719	107.9	100.4	147.5	312.1
2,4,5-Trichlorophenol	1039	1867	18670	2802	2606	3831	8105
TTHM [Sum of Total Trihalomethanes]	80	N/A	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	0.23	16.5	165	24.765	23.032	33.86	71.63

CALCULATE 70% AND 85% OF DAILY AVERAGE EFFLUENT LIMITATIONS:

Aquatic Life	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Aldrin	1.77	2.15
Aluminum	584	710
Arsenic	297	360
Cadmium	0.50	0.61
Carbaryl	1.18	1.43
Chlordane	0.0043	0.0052
Chlorpyrifos	0.044	0.054
Chromium (trivalent)	159	193
Chromium (hexavalent)	9.26	11.2
Copper	8.5	10.3
Cyanide (free)	11.5	14.0
4,4'-DDT	0.0011	0.0013
Demeton	0.108	0.131
Diazinon	0.100	0.122
Dicofol [Kelthane]	21.3	25.9
Dieldrin	0.0022	0.0026
Diuron	75	91
Endosulfan I (*alpha*)	0.060	0.073
Endosulfan II (*beta*)	0.060	0.073
Endosulfan sulfate	0.060	0.073
Endrin	0.0022	0.0026
Guthion [Azinphos Methyl]	0.011	0.013
Heptachlor	0.0043	0.0052
Hexachlorocyclohexane (*gamma*) [Lindane]	0.086	0.104
Lead	4.3	5.3
Malathion	0.011	0.013
Mercury	1.40	1.70
Methoxychlor	0.032	0.039
Mirex	0.0011	0.0013
Nickel	49	60
Nonylphenol	7.10	8.6
Parathion (ethyl)	0.014	0.017
Pentachlorophenol	3.4	4.2
Phenanthrene	17.7	21.5
Polychlorinated Biphenyls [PCBs]	0.015	0.018
Selenium	5.38	6.53
Silver	3.62	4.40
Toxaphene	0.00022	0.00026
Tributyltin [TBT]	0.026	0.031
2,4,5 Trichlorophenol	68.8	83.6
Zinc	93	113

Human Health	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Acrylonitrile	165.18	200.58
Aldrin	0.000016	0.000020
Anthracene	1892	2297
Antimony	1538.3	1868.0
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	834.5	1013.3
Benzidine	0.1537	0.1866
Benzo(*a*)anthracene	0.036	0.044
Benzo(*a*)pyrene	0.0036	0.0044
Bis(chloromethyl)ether	0.3943	0.4788
Bis(2-chloroethyl)ether	61.52	74.70
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	10.8	13.2
Bromodichloromethane [Dichlorobromomethane]	395.0	479.6
Bromoform [Tribromomethane]	1523	1849
Cadmium	N/A	N/A
Carbon Tetrachloride	66.1	80.2
Chlordane	0.0036	0.0044
Chlorobenzene	3931	4774
Chlorodibromomethane [Dibromochloromethane]	262.9	319.2
Chloroform [Trichloromethane]	11056	13425
Chromium (hexavalent)	721	876
Chrysene	3.62	4.40
Cresols [Methylphenols]	13359	16222
Cyanide (free)	N/A	N/A
4,4'-DDD	0.0029	0.0035
4,4'-DDE	0.00019	0.00023
4,4'-DDT	0.0006	0.0007
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	679	825
1,2-Dibromoethane [Ethylene Dibromide]	6.090	7.395
m-Dichlorobenzene [1,3-Dichlorobenzene]	855	1038
o-Dichlorobenzene [1,2-Dichlorobenzene]	4739	5754
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	3.22	3.91
1,2-Dichloroethane	522.8	634.9
1,1-Dichloroethylene [1,1-Dichloroethene]	79162.7	96126.2
Dichloromethane [Methylene Chloride]	19150.8	23254.5
1,2-Dichloropropane	372.0	451.7
1,3-Dichloropropene [1,3-Dichloropropylene]	170.93	207.6
Dicofol [Kelthane]	0.431	0.52
Dieldrin	0.000029	0.000035
2,4-Dimethylphenol	12117	14714
Di-*n*-Butyl Phthalate	133	161
Dioxins/Furans [TCDD Equivalents]	1.14E-07	1.39E-07
Endrin	0.029	0.035
Epichlorohydrin	2891	3511
Ethylbenzene	2682	3256
Ethylene Glycol	24130597	29301439
Fluoride	N/A	N/A
Heptachlor	0.00014	0.00017
Heptachlor Epoxide	0.0004	0.0005

Human Health	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Hexachlorobenzene	0.0010	0.0012
Hexachlorobutadiene	0.316	0.384
Hexachlorocyclohexane (*alpha*)	0.012	0.015
Hexachlorocyclohexane (*beta*)	0.373	0.453
Hexachlorocyclohexane (*gamma*) [Lindane]	0.490	0.595
Hexachlorocyclopentadiene	16.7	20.2
Hexachloroethane	3.35	4.06
Hexachlorophene	4.17	5.06
4,4'-Isopropylidenediphenol [Bisphenol A]	22956	27875
Lead	29.0	35.2
Mercury	0.018	0.021
Methoxychlor	4.31	5.2
Methyl Ethyl Ketone	1424854	1730180
Methyl *tert*-butyl ether [MTBE]	15055.8	18282.0
Nickel	3598	4370
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	2690	3267
N-Nitrosodiethylamine	3.016	3.663
N-Nitroso-di-*n*-Butylamine	6.033	7.325
Pentachlorobenzene	0.51	0.62
Pentachlorophenol	0.417	0.506
Polychlorinated Biphenyls [PCBs]	0.0009	0.0011
Pyridine	1360.2	1651.7
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	0.345	0.419
1,1,2,2-Tetrachloroethane	37.85	45.96
Tetrachloroethylene [Tetrachloroethylene]	402.2	488.4
Thallium	0.330	0.401
Toluene	N/A	N/A
Toxaphene	0.016	0.019
2,4,5-TP [Silvex]	530	644
1,1,1-Trichloroethane	1126603	1368018
1,1,2-Trichloroethane	238.4	289.5
Trichloroethylene [Trichloroethene]	103.3	125.4
2,4,5-Trichlorophenol	2682	3256
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	23.700	28.778

Appendix B
Comparison of Technology-Based Effluent Limits and Water Quality-Based Effluent Limits

The following table is a summary of technology-based effluent limitations calculated/assessed in the draft permit (Technology-Based) and calculated/ assessed water quality-based effluent limitations (Water Quality-Based), Effluent limitations appearing in bold are the most stringent of the two and are included in the draft permit.

Outfall	*Pollutant*	*Technology-Based*		*Water Quality-Based*	
		Daily Avg	*Daily Max*	*Daily Avg*	*Daily Max*
		mg/L	*mg/L*	*mg/L*	*mg/L*
001	Flow	**0.32256 MGD**	**0.32256 MGD**	-	-
	Chemical Oxygen Demand	**-**	**200**	-	-
	Oil and Grease	**-**	**15**	-	-
	Total Dissolved Solids	**-**	**-**	-	**Report**
	Chloride	**-**	**-**	-	**Report**
	Sulfate	**-**	**-**	-	**Report**
	pH	**6.0 SU (minimum)**	**9.0 SU (maximum)**	-	-

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

March 26, 2024

Dear Applicant:

Re: Confirmation of Submission of the New Industrial Wastewater Individual Permit Application

This is an acknowledgement that you have successfully completed Industrial Wastewater Individual Permit Application.

ER Account Number: ER085423
Application Reference Number: 641529
Authorization Number: WQ0005456000
Site Name: Longleaf Generating
Regulated Entity: RN111794756 - LONGLEAF GENERATING
Customer(s): RN111794756

Please be aware that TCEQ staff may contact your designated contact for any additional information.

If you have any questions, you may contact the Applications Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by telephone at (512) 239-4671.

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality

New Domestic or Industrial Individual Permit

Site Information (Regulated Entity)

What is the name of the site to be authorized?	LONGLEAF GENERATING
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	ON THE WEST SIDE OF CR 127, APPROXIMATELY ONE MILE NORTH OF THE INTERSECTION WITH CR 842
City	LUFKIN
State	TX
ZIP	75901
County	ANGELINA
Latitude (N) (##.######)	31.410827
Longitude (W) (-###.######)	-94.653117
Primary SIC Code	
Secondary SIC Code	
Primary NAICS Code	221112
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN111794756
What is the name of the Regulated Entity (RE)?	LONGLEAF GENERATING
Does the RE site have a physical address?	No
Because there is no physical address, describe how to locate this site:	ON THE WEST SIDE OF CR 127, APPROXIMATELY ONE MILE NORTH OF THE INTERSECTION WITH CR 842
City	LUFKIN
State	TX
ZIP	75901
County	ANGELINA
Latitude (N) (##.######)	31.410827
Longitude (W) (-###.######)	-94.653117
Facility NAICS Code	221112
What is the primary business of this entity?	ELECTRIC POWER GENERATION

Wattbri-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN605946615
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Wattbridge Texas LLC
Texas SOS Filing Number	804264565
Federal Tax ID	
State Franchise Tax ID	
State Sales Tax ID	

Local Tax ID	
DUNS Number	
Number of Employees	
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Wattbridge Texas LLC
Prefix	MISS
First	Jennifer
Middle	R
Last	Coleman
Suffix	
Credentials	JD
Title	Director of Regulatory Compliance
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 PROENERGY BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	SEDALIA
State	MO
ZIP	65301
Phone (###-###-####)	3157967207
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	jcoleman@proenergyservices.com

Billing Contact

Responsible contact for receiving billing statements:	
Select the permittee that is responsible for payment of the annual fee.	CN605946615, Wattbridge Texas LLC
Organization Name	Wattbridge Texas LLC
Prefix	
First	Jennifer
Middle	R
Last	Coleman
Suffix	
Credentials	
Title	
Enter new address or copy one from list:	
Mailing Address	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 PROENERGY BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	SEDALIA
State	MO
ZIP	65301

Phone (###-###-####)	3157967207
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	compliance@wattbridge.info

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	Billing Contact
Organization Name	Wattbridge Texas LLC
Prefix	
First	Jennifer
Middle	R
Last	Coleman
Suffix	
Credentials	
Title	Director of Regulatory Compliance
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 PROENERGY BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	SEDALIA
State	MO
ZIP	65301
Phone (###-###-####)	3157967207
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	compliance@wattbridge.info

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	
Organization Name	Tetra Tech Inc
Prefix	MR
First	Edwin
Middle	
Last	Centeno
Suffix	
Credentials	PE
Title	Senior Project Manager
Enter new address or copy one from list:	

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1500 CITYWEST BLVD STE 1000
Routing (such as Mail Code, Dept., or Attn:)	

City	HOUSTON
State	TX
ZIP	77042
Phone (###-###-####)	8328721075
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	e.centenojimenez@tetratech.com

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	Application Contact
Organization Name	Wattbridge Texas LLC
Prefix	
First	Jennifer
Middle	R
Last	Coleman
Suffix	
Credentials	
Title	Director of Regulatory Compliance
Enter new address or copy one from list:	

Mailing Address:

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	2001 PROENERGY BLVD
Routing (such as Mail Code, Dept., or Attn:)	
City	SEDALIA
State	MO
ZIP	65301
Phone (###-###-####)	3157967207
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	compliance@wattbridge.info

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	Application Contact
2) Organization Name	Wattbridge Texas LLC
3) Prefix	
4) First	Jennifer
5) Middle	R
6) Last	Coleman
7) Suffix	
8) Credentials	
9) Title	Director of Regulatory Compliance

Mailing Address

10) Enter new address or copy one from list	
11) Address Type	Domestic
11.1) Mailing Address (include Suite or Bldg. here, if applicable)	2001 PROENERGY BLVD
11.2) Routing (such as Mail Code, Dept., or Attn:)	
11.3) City	SEDALIA
11.4) State	MO
11.5) ZIP	65301
12) Phone (###-###-####)	6608295100
13) Extension	
14) Alternate Phone (###-###-####)	
15) Fax (###-###-####)	
16) E-mail	compliance@wattbridge.info

Public Notice Information

Individual Publishing the Notices

1) Prefix	MISS
2) First and Last Name	Jennifer Coleman
3) Credential	
4) Title	Director of Regulatory Compliance
5) Organization Name	Wattbridge Texas LLC
6) Mailing Address	2001 PROENERGY BLVD
7) Address Line 2	
8) City	SEDALIA
9) State	MO
10) Zip Code	65301
11) Phone (###-###-####)	3157967207
12) Extension	
13) Fax (###-###-####)	
14) Email	compliance@wattbridge.info

Contact person to be listed in the Notices

15) Prefix	MISS
16) First and Last Name	Jennifer Coleman
17) Credential	
18) Title	Director of Regulatory Compliance
19) Organization Name	Wattbridge Texas LLC
20) Phone (###-###-####)	6608295100
21) Fax (###-###-####)	
22) Email	compliance@wattbridge.info

Bilingual Notice Requirements

23) 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
23.1) Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?	Yes
23.2) Do the students at these schools attend a bilingual education program at another location?	No
23.3) Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19	No

TAC 89.1205(g)?	
23.4) Which language is required by the bilingual program?	Spanish

Section 1# Public Viewing Information

County#: 1

1) County	ANGELINA
2) Public building name	Kurth Memorial Library
3) Location within the building	TBD
4) Physical Address of Building	706 S Raguet Street
5) City	Lufkin
6) Contact Name	
7) Phone (###-###-####)	9366300560
8) Extension	
9) Is the location open to the public?	Yes

Owner Information

Owner of Treatment Facility	
1) Prefix	
2) First and Last Name	
3) Organization Name	WattBridge Texas LLC
4) Mailing Address	2001 Proenergy Blvd
5) City	Sedalia
6) State	MO
7) Zip Code	65301
8) Phone (###-###-####)	6608295100
9) Extension	
10) Email	compliance@wattbridge.info
11) What is ownership of the treatment facility?	Private
Owner of Land (where treatment facility is or will be)	
12) Prefix	
13) First and Last Name	
14) Organization Name	Gillispie Partners LTD
15) Mailing Address	PO Box 631107
16) City	Nacogdoches
17) State	TX
18) Zip Code	75963
19) Phone (###-###-####)	9365548557
20) Extension	
21) Email	lloydgillespie1@yahoo.com
22) Is the landowner the same person as the facility owner or co-applicant?	No

Admin General Information

1) Is the facility located on or does the treated effluent cross American Indian Land?	No
2) What is the authorization type that you are seeking?	Industrial Wastewater

2.1) Are the discharges at your facility subjected to federal effluent limitation guidelines (ELG) 40 CFR Part 400-471?	No
3) What is your facility operational status?	Inactive
4) What is the classification for your authorization?	TPDES
4.1) City nearest the outfall(s):	Lufkin
4.2) County where the outfalls are located:	ANGELINA
4.3) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No
4.4) Is the daily average discharge at your facility of 5 MGD or more?	No
5) Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?	No

Lease Agreement or Deed Attachment

1) Attach a lease agreement or deed recorded easement

[File Properties]

File Name	LEASE_23-07-08_Longleaf_Option Contract and Addendum.pdf
Hash	899F3813A2D10FC2884BF8EB7BA9766949EA349B9D4D2C42CDC1E9394E99CB2C
MIME-Type	application/pdf

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_Plain Language Summary Wattbridge Texas.pdf
Hash	17201CEF703327840FD536513B281BD5F3F5A035E8FB42FBF023222370F27806
MIME-Type	application/pdf

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_SPIF WattBridge Texas.pdf
Hash	569405B41A151A5C147C78E5D6067A1D2751FFA7BB24CB291FD3789BC701E1A5
MIME-Type	application/pdf

Industrial Attachments

1) Have you clearly outlined and labeled the required information on the original full size USGS Topographic Map?	Yes

1.1) I certify that I have clearly outlined and labeled the required information on the Topographic map and attached here.

[File Properties]

File Name	MAP_TOPO Map Wattbridge Texas.pdf
Hash	BCC6B2CAB1BBF73A0453B12738A428684904036EE74F02F7457ACB7FFC0C7632
MIME-Type	application/pdf

2) Public Involvement Plan (TCEQ Form 20960)

[File Properties]

File Name	PIP_Public Plan.pdf
Hash	326F7364425321AA151F78CF363C08B5C4D772A757CC327DBF101FD86BECE761
MIME-Type	application/pdf

3) Administrative Report 1.1

[File Properties]

File Name	ARPT_Admin Report Wattbridge Texas.pdf
Hash	4FA7611C63D54F7F9E00E159BF3D65FF5115EAFC2BEBF297D4534FA9E9A24814
MIME-Type	application/pdf

4) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
4.1) I confirm that Worksheet 4.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
4.2) Are you planning to include Worksheet 4.1 (Waterbody Physical Characteristics) in the Technical Attachment?	Yes
4.3) Are you planning to include Worksheet 6.0 (Industrial Waste Contribution) in the Technical Attachment?	No
4.4) Are you planning to include Worksheet 7.0 (Stormwater Discharges Associated with Industrial Activities) to the Technical Attachment?	No
4.5) Are you planning to include Worksheet 8.0 (Aquaculture) in the Technical Attachment?	No
4.6) Are you planning to include Worksheet 9.0 (Class V Injection Well Inventory/Authorization) in the Technical Attachment?	No
4.7) Are you planning to include Worksheet 10.0 (Quarries in the John Graves Scenic Riverway) in the Technical Attachment?	No
4.8) Are you planning to include Worksheet 11.0 (Cooling Water System Information) in the Technical Attachment?	No
4.9) Are you planning to include Worksheet 11.1 (Impingement Mortality) in the Technical Attachment?	No
4.10) Are you planning to include Worksheet 11.2 (Source Water Biological Data) in the Technical Attachment?	No
4.11) Are you planning to include Worksheet 11.3 (Entrainment) in the Technical Attachment?	No

4.12) Technical Attachment

[File Properties]

File Name	TECH_Technical Report Wattbridge Texas.pdf
Hash	BD59479ED6D8B4BC4E8E4F6EA3E4D72AE814F858A61A56A869C62ACA5471A183
MIME-Type	application/pdf

5) Affected Landowners Map

[File Properties]

File Name	LANDMP_Landowner Map Wattbridge Texas.pdf
Hash	6709474ABE9C139A05D9A5CCF1BAEEB51C12D5F5745A643D00A9721499EA4A9F
MIME-Type	application/pdf

6) Landowners Cross Reference List

[File Properties]

File Name	LANDCRL_Landowner list.pdf
Hash	095E5D83740AA7C86BBC2A53C87FB319CB922438C49F82CABFAAA929D1946259
MIME-Type	application/pdf

7) Landowner Avery Template

[File Properties]

File Name	LANDAT_Wattbridge Texas Landowner Avery Template.pdf
Hash	DAE6E2AD20464560D72C881799C570709EC64CD7FDC2A5A433AEE59DF3CF96C3
MIME-Type	application/pdf

8) Flow Diagram

[File Properties]

File Name	FLDIA_Water Balance Wattbridge Texas.pdf
Hash	262723B7EA462E19962A12FAF8086969562EAB540DC4C086B7A4130D0E8393A8
MIME-Type	application/pdf

9) Site Drawing

[File Properties]

File Name	SITEDR_Facility Map.pdf
Hash	A42F0B8CBC043E116D48EF9352873F3CE42F552DFF56C48788FB5290B4065D2F
MIME-Type	application/pdf

10) Original Photographs

[File Properties]

File Name	ORIGPH_Plot Plan and Photos Wattbridge Texas.pdf
Hash	262C9374BE1BF7652483FF53553FDA356649B605B01F541DF59EE20A9CFAD444
MIME-Type	application/pdf

11) Design Calculations

12) Solids Management Plan

13) Water Balance

[File Properties]

File Name	WB_23-02-21_Longleaf Water Balance 12 Units Rev 1.pdf
Hash	3E2EDBBB6E70A31DEB1033B7E1CEDF21B31559AC4C58F7C72390E5BB8DFBD1BD
MIME-Type	application/pdf

14) Other Attachments

[File Properties]

File Name	OTHER_Process Description For Longleaf-Final 22124 Rev 2.pdf
Hash	7FFEA74CBD5F244A5B20D1B0F3D9C5705D3E7415B6DF89FCCEA0D795F34972C5
MIME-Type	application/pdf

Certification

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

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.

1. I am Jennifer Coleman, the owner of the STEERS account ER085423.

2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing New Domestic or Industrial Individual Permit.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Jennifer Coleman OWNER	
Customer Number:	CN605946615
Legal Name:	Wattbridge Texas LLC
Account Number:	ER085423
Signature IP Address:	76.3.65.181
Signature Date:	2024-03-20
Signature Hash:	4BFE31F427E96C90FF8F2372DC672954721EABE303ED9C72995E0E2E7A490B66
Form Hash Code at time of Signature:	B0F8E3FBF34D21588FE2918717FE558A7C011536D8E666B36EA0D69B901DB843

Fee Payment

Transaction by:	The application fee payment transaction was made by EDWIN CENTENO
Paid by:	The application fee was paid by EDWIN CENTENO
Fee Amount:	$300.00
Paid Date:	The application fee was paid on 2024-03-13
Transaction/Voucher number:	The transaction number is 582EA000601688 and the voucher number is 696361

Submission

Reference Number:	The application reference number is 641529
Submitted by:	The application was submitted by ER085423/Jennifer Coleman
Submitted Timestamp:	The application was submitted on 2024-03-26 at 15:32:09 CDT
Submitted From:	The application was submitted from IP address 76.3.65.181
Confirmation Number:	The confirmation number is 531248
Steers Version:	The STEERS version is 6.73

Additional Information

Application Creator: This account was created by Jennifer Coleman

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the industrial wastewater permit application.

APPLICANT NAME: Wattbridge Texas, LLC

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

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

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Worksheet 8.0	☐	☒
Administrative Report 1.1	☒	☐	Worksheet 9.0	☐	☒
SPIF	☒	☐	Worksheet 10.0	☐	☒
Core Data Form	☒	☐	Worksheet 11.0	☐	☒
Public Involvement Plan Form	☒	☐	Worksheet 11.1	☐	☒
Plain Language Summary	☒	☐	Worksheet 11.2	☐	☒
Technical Report 1.0	☒	☐	Worksheet 11.3	☐	☒
Worksheet 1.0	☒	☐	Original USGS Map	☒	☐
Worksheet 2.0	☒	☐	Affected Landowners Map	☒	☐
Worksheet 3.0	☐	☒	Landowner Disk or Labels	☒	☐
Worksheet 3.1	☐	☒	Flow Diagram	☒	☐
Worksheet 3.2	☐	☒	Site Drawing	☒	☐
Worksheet 3.3	☐	☒	Original Photographs	☒	☐
Worksheet 4.0	☒	☐	Design Calculations	☐	☒
Worksheet 4.1	☒	☐	Solids Management Plan	☐	☒
Worksheet 5.0	☐	☒	Water Balance	☒	☐
Worksheet 6.0	☐	☒			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

This report is required for all applications for TPDES permits and TLAPs, except applications for oil and gas extraction operations subject to 40 CFR Part 435. Contact the Applications Review and Processing Team at 512-239-4671 with any questions about completing this report.

Applications for oil and gas extraction operations subject to 40 CFR Part 435 must use the Oil and Gas Exploration and Production Administrative Report (TCEQ Form-20893 and 20893-inst[1]).

Item 1. Application Information and Fees (Instructions, Page 26)

a. Complete each field with the requested information, if applicable.

Applicant Name: Wattbridge Texas, LLC

Permit No.: WQ000N/A

EPA ID No.: TX0N/A

Expiration Date: N/A

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

☒ Industrial Wastewater (wastewater and stormwater)

☐ Industrial Stormwater (stormwater only)

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

☐ Active ☒ Inactive

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

☒ TPDES Permit ☐ TLAP ☐ TPDES with TLAP component

e. Check the box next to the appropriate application type.

☒ New

☐ Renewal with changes ☐ Renewal without changes

☐ Major amendment with renewal ☐ Major amendment without renewal

☐ Minor amendment without renewal

☐ Minor modification without renewal

f. If applying for an amendment or modification, describe the request: Click to enter text.

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region _____
Permit Number _____

[1] https://www.tceq.texas.gov/publications/search_forms.html

g. Application Fee

EPA Classification	New	Major Amend. (with or without renewal)	Renewal (with or without changes)	Minor Amend. / Minor Mod. (without renewal)
Minor facility not subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☒ $350	☐ $350	☐ $315	☐ $150
Minor facility subject to EPA categorical effluent guidelines (40 CFR Parts 400-471)	☐ $1,250	☐ $1,250	☐ $1,215	☐ $150
Major facility	N/A [2]	☐ $2,050	☐ $2,015	☐ $450

h. Payment Information

Mailed

Check or money order No.: Click to enter text.

Check or money order amt.: Click to enter text.

Named printed on check or money order: Click to enter text.

Epay

Voucher number: Voucher #696361 and #696362

Copy of voucher attachment: #1

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN605946615

Note: Locate the customer number using the TCEQ's Central Registry Customer Search[3].

b. Legal name of the entity (applicant) applying for this permit: Wattbridge Texas, LLC

Note: The owner of the facility must apply for the permit. The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Delegation of Signatory Authority in Attachment #2.

d. Will the applicant have overall financial responsibility for the facility?

[2] All facilities are designated as minors until formally classified as a major by EPA.

[3] https://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

☒ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 3. Co-applicant Information (Instructions, Page 27)

☒ Check this box if there is no co-applicant.; otherwise, complete the below questions.

a. Legal name of the entity (co-applicant) applying for this permit: Click to enter text.

Note: The legal name must be spelled exactly as filed with the TX SOS, Texas Comptroller of Public Accounts, County, or in the legal documents forming the entity.

b. Customer Number (if applicant is an existing customer): CNClick to enter text.

Note: Locate the customer number using the TCEQ's Central Registry Customer Search.

c. Name and title of the person signing the application. (**Note:** The person must be an executive official that meets signatory requirements in 30 TAC § 305.44.)

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

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

d. Will the co-applicant have overall financial responsibility for the facility?

☐ Yes ☐ No

Note: The entity with overall financial responsibility for the facility must apply as a co-applicant, if not the facility owner.

Item 4. Core Data Form (Instructions, Pages 27)

a. Complete one Core Data Form (TCEQ Form 10400) for each customer (applicant and co-applicant(s)) and include as an attachment. If the customer type selected on the Core Data Form is Individual, complete Attachment 1 of the Administrative Report. Attachment: #3

Item 5. Application Contact Information (Instructions, Page 27)

Provide names of two individuals who can be contact for additional information about this application. Indicate if the individual can be contact about administrative or technical information, or both.

a. ☒ Administrative Contact . ☐ Technical Contact

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 315-796-7207 Email: compliance@wattbridge.info

b. ☐ Administrative Contact ☒ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Edwin C. Centeno

Title: Senior Project Manager Credential: PE

Organization Name: Tetra Tech, Inc.

Mailing Address: 1500 CityWest Boulevard, Suite 1000 City/State/Zip: Houston, TX 77042

Phone No: 832-872-1075 Email: e.centenojimenez@tetratech.com

Attachment: Click to enter text.

Item 6. Permit Contact Information (Instructions, Page 28)

Provide two names of individuals that can be contacted throughout the permit term.

a. Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 315-796-7207 Email: compliance@wattbridge.info

b. Prefix: Mr. Full Name (Last/First Name): Edwin C. Centeno

Title: Senior Project Manager Credential: PE

Organization Name: Tetra Tech, Inc.

Mailing Address: 1500 CityWest Boulevard, Suite 1000 City/State/Zip: Houston, TX 77042

Phone No: 832-872-1075 Email: e.centenojimenez@tetratech.com

Attachment: Click to enter text.

Item 7. Billing Contact Information (Instructions, Page 28)

The permittee is responsible for paying the annual fee. The annual fee will be assessed for 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 (form TCEQ-20029).

Provide the complete mailing address where the annual fee invoice should be mailed and the name and phone number of the permittee's representative responsible for payment of the invoice.

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 315-796-7207 Email: compliance@wattbridge.info

Item 8. DMR/MER Contact Information (Instructions, Page 28)

Provide the name and mailing address of the person delegated to receive and submit DMRs or MERs. **Note:** DMR data must be submitted through the NetDMR system. An electronic reporting account can be established once the facility has obtained the permit number.

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 315-796-7207 Email: compliance@wattbridge.info

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 660-829-5100 Email: compliance@wattbridge.info

b. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package (only for NORI, NAPD will be sent via regular mail)

☒ E-mail: Click to enter text.

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 2001 Proenergy Blvd

City/State/Zip Code: Sedalia, MO 65301

c. Contact in the Notice

Prefix: Ms. Full Name (Last/First Name): Jennifer Coleman

Title: Director of Regulatory Compliance Credential: Click to enter text.

Organization Name: Wattbridge Texas, LLC

Phone No: 660-829-5100 Email: compliance@wattbridge.info

d. Public Viewing Location Information

Note: If the facility or outfall is located in more than one county, provide a public viewing place for each county.

Public building name: Kurth Memorial Library Location within the building: TBD

Physical Address of Building: 706 S Raguet St

City: Lufkin, TX County: Angelina

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.

Call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine if an alternative language notice(s) is 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 Item 8 (Regulated Entity and Permitted Site Information.)

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 ☐ N/A

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: #4

g. Complete one Public Involvement Plan (PIP) Form (TCEQ Form 20960) for each application for a new permit or major amendment and include as an attachment. Attachment: #5

Item 10. Regulated Entity and Permitted Site Information (Instructions Page 29)

a. TCEQ issued Regulated Entity Number (RN), if available: RN111794756

Note: If your business site is part of a larger business site, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search the TCEQ's Central Registry to determine the RN or to see if the larger site may already be registered as a Regulated Entity. If the site is found, provide the assigned RN.

b. Name of project or site (the name known by the community where located): Long Leaf Generating

c. Is the location address of the facility in the existing permit the same?

☐ Yes ☐ No ☒ N/A (new permit)

Note: If the facility is located in Bexar, Comal, Hays, Kinney, Medina, Travis, Uvalde, or Williamson County, additional information concerning protection of the Edwards Aquifer may be required.

d. Owner of treatment facility:

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Wattbridge Texas LLC

Mailing Address: 2001 Proenergy Blvd City/State/Zip: Sedalia, MO 65301

Phone No: 315-796-7207 Email: compliance@wattbridge.info

e. Ownership of facility: ☐ Public ☒ Private ☐ Both ☐ Federal

f. Owner of land where treatment facility is or will be: Click to enter text.

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Gillispie Partners LTD

Mailing Address: PO Box 631107 City/State/Zip: Nacogdoches, TX 75963

Phone No: Click to enter text. Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years (In some cases, a lease may not suffice - see instructions). Attachment: #6

g. Owner of effluent TLAP disposal site (if applicable): Click to enter text.

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: Click to enter text. City/State/Zip: Click to enter text.

Phone No: Click to enter text. Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

h. Owner of sewage sludge disposal site (if applicable):

Prefix: Click to enter text. Full Name (Last/First Name): Click to enter text.

or Organization Name: Click to enter text.

Mailing Address: Click to enter text. City/State/Zip: Click to enter text.

Phone No: Click to enter text. Email: Click to enter text.

Note: If not the same as the facility owner, attach a long-term lease agreement in effect for at least six years. Attachment: Click to enter text.

Item 11. TDPES Discharge/TLAP Disposal Information (Instructions, Page 31)

a. Is the facility located on or does the treated effluent cross Native American Land?

☐ Yes ☒ No

b. Attach an original full size USGS Topographic Map (or an 8.5"×11" reproduced portion for renewal or amendment applications) with all required information. Check the box next to each item below to confirm it has been included on the map.

☒ One-mile radius

☒ Applicant's property boundaries

☒ Labeled point(s) of discharge

☐ Effluent disposal site boundaries

☐ Sewage sludge disposal site

☒ Three-miles downstream information

☐ Treatment facility boundaries

☒ Highlighted discharge route(s)

☐ All wastewater ponds

☒ New and future construction

Attachment: #7

c. Is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No or New Permit

If no, or a new application, provide an accurate location description: Not Applicable.

d. Are the point(s) of discharge in the existing permit correct?

☐ Yes ☒ No or New Permit

If no, or a new application, provide an accurate location description: Effluent will be discharged via a discharge trench perpendicular to Paper Mill Creek (Segment ID 0615A) Outfall 001 approximate coordinates are 31.412747 N, -94.662186 W. The effluent travels approximately 4.8 stream miles until it joins the Angelina River/Sam Rayburn Reservoir (Segment ID 0615).

e. Are the discharge route(s) in the existing permit correct?

☐ Yes ☒ No or New Permit

If no, or a new permit, provide an accurate description of the discharge route: Effluent will be discharged via a discharge trench perpendicular to Paper Mill Creek (Segment ID 0615A) Outfall 001 approximate coordinates are 31.412747 N, -94.662186 W. The effluent travels approximately 4.8 stream miles until it joins the Angelina River/Sam Rayburn Reservoir (Segment ID 0615).

f. City nearest the outfall(s): Lufkin

g. County in which the outfalls(s) is/are located: Angelina

h. 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, attach copies of letters that show proof of contact and provide the approval letter upon receipt. Attachment: Click to enter text.

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

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

☐ Yes No or New Permit ☐ Click to enter text.

If no, or a new application, provide an accurate location description: Click to enter text.

j. City nearest the disposal site: Click to enter text.

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

l. For TLAPs, describe how effluent is/will be routed from the treatment facility to the disposal site: Click to enter text.

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

Item 12. Miscellaneous Information (Instructions, Page 33)

a. 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: Click to enter text.

b. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Account no.: Click to enter text.

Total amount due: Click to enter text.

c. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

If yes, provide the following information:

Enforcement order no.: Click to enter text.

Amount due: Click to enter text.

Item 13. SIGNATURE PAGE (Instructions, Pages 32-33)

Permit No: WQ000Click to enter text.

Applicant Name: Wattbridge Texas LLC

Certification: I, Jennifer Coleman, 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): Jennifer Coleman

Signatory title: Director of Regulatory Compliance

Signature: Jennifer R Coleman (Use blue ink) Date: 3-18-24

Subscribed and Sworn to before me by the said Jennifer Coleman

on this 18 day of March, 20 24.

My commission expires on the 7 day of April, 20 26.

Jerrilyn Carey
Notary Public

JERRILYN CAREY
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
MY COMMISSION EXPIRES APRIL 7, 2026
BOONE COUNTY
COMMISSION #14436362

~~County, Texas~~ Boone County, Missouri

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Item 1. Affected Landowner Information (Instructions, Page 35)

a. Attach a landowner map or drawing, with scale, as applicable. Check the box next to each item to confirm it has been provided.

☒ 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 (e.g., irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property.

☐ The property boundaries of all landowners surrounding the applicant's property boundaries where the effluent disposal site is located.

☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners within one-quarter mile of 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 (e.g., sludge surface disposal site or sludge monofil) is located.

Attachment: #8

b. Check the box next to the format of the landowners list:

☐ Readable/Writeable CD ☒ Four sets of labels

Attachment: #9

d. Provide the source of the landowners' names and mailing addresses: Angelina County Appraisal District

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.

Item 2. Original Photographs (Instructions, Page 37)

Provide original ground level photographs. Check the box next to each of the following items to indicate it is included.

☒ 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.

Attachment: #10

INDUSTRIAL 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: #11

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

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

☒ Core Data Form (TCEQ Form No. 10400)
(Required for all applications 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
(TCEQ Form Nos. 10055 and 10411. Version dated 5/10/2019 or later.)

☒ Water Quality Permit Payment Submittal Form (Page 14)
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

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

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

☐ N/A ☒ Landowners Map
(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.

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

☐ N/A ☒ Landowners Labels or CD-RW attached
(See instructions for landowner requirements.)

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

☒ Plain Language Summary

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: _____Renewal _____Major Amendment ____Minor Amendment _____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Wattbridge Texas LLC

   Permit No. WQ00 Click here to enter text. EPA ID No. TX Click here to enter text.

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

   On the West side of CR 127, approximately one mile North of the intersection with FM 842

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

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

First and Last Name: Jennifer Coleman

Credential (P.E, P.G., Ph.D., etc.): Click here to enter text.

Title: Director of Regulatory Compliance

Mailing Address: 2001 Proenergy Blvd

City, State, Zip Code: Sedalia, MO 65301

Phone No.: 660-829-5100 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: compliance@wattbridge.info

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

N/A

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

Effluent will be discharged via a discharge trench perpendicular to Paper Mill Creek (Segment ID 0615A). The effluent travels approximately 4.8 stream miles until it joins the Angelina River/Sam Rayburn Reservoir (Segment ID 0615).

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

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

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

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

☒ Disturbance of vegetation or wetlands

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

Approximately 20 acres will be impacted. Other information not developed yet.

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

No existing disturbances, forest land.

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

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

N/A

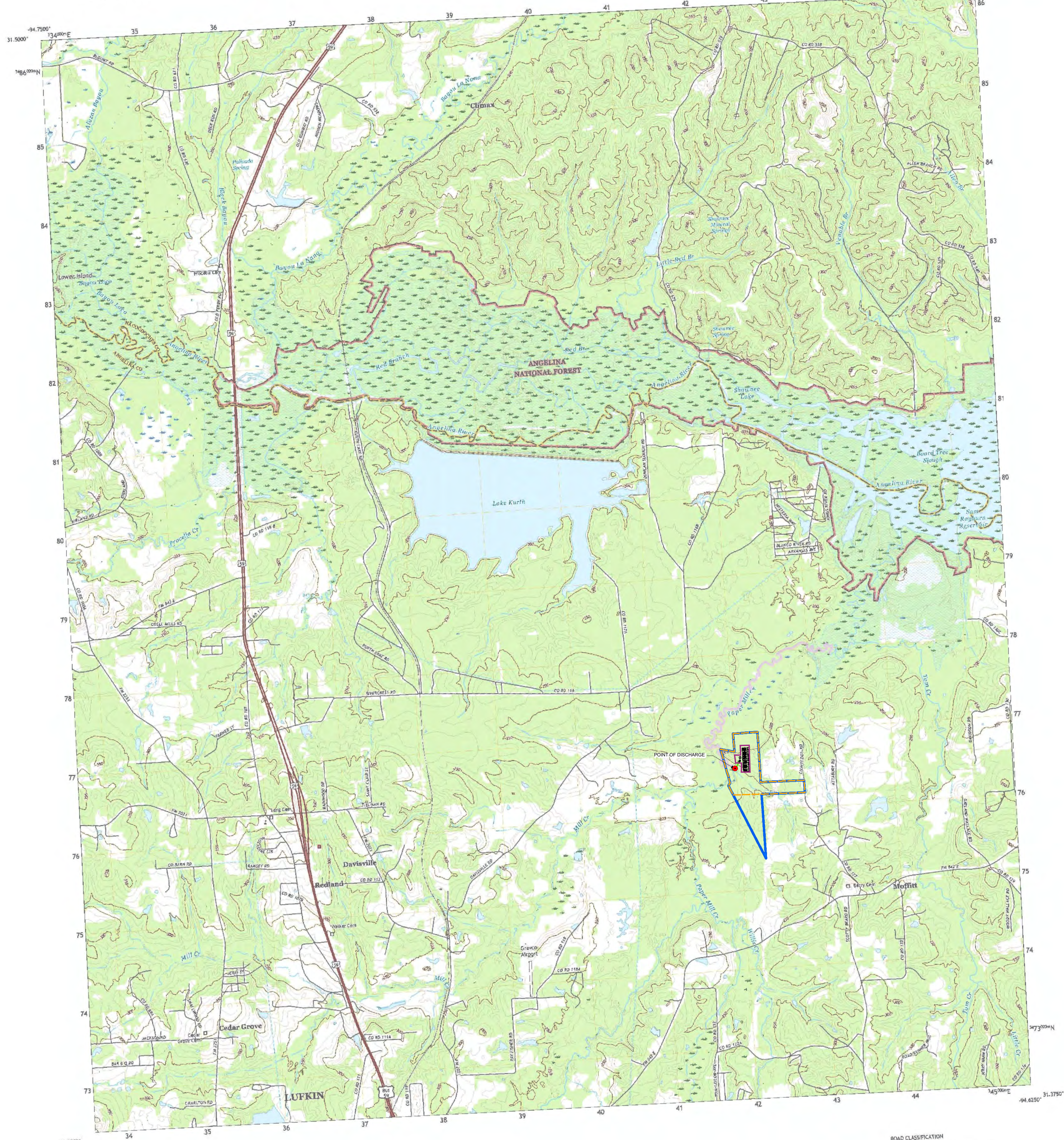
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A. Nothing has been built on the property.

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map
US Topo

REDLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 15R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015 - 2018
Roads within US Forest Service Lands	FSTopo Data with limited Forest Service updates, 2012 - 2012
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2003 - 2018
Contours	National Elevation Dataset, 2018
Boundaries	Multiple sources; see metadata file 2017 - 2021
Wetlands	FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
UQ
Grid Zone Designation
15R

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

QUADRANGLE LOCATION

ADJOINING QUADRANGLES

1 Lake Nacogdoches South
2 Nacogdoches South
3 Woden
4 Clawson
5 Platt
6 Keltys
7 Lufkin
8 Huntington

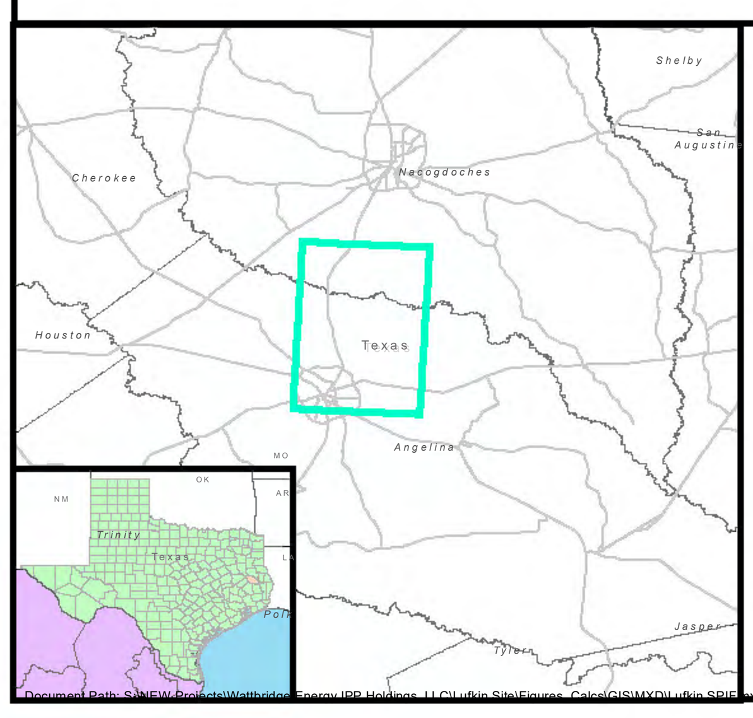
ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route
FS Primary Route
FS Passenger Route
FS High Clearance Route

Check with local Forest Service unit for current travel conditions and restrictions.

REDLAND, TX
2022

Source: USGS 7.5 Minute Series, Redlands, Texas 2022.



LEGEND

- Facility Boundary
- Property Boundary
- Facility Boundary
- 3-Mile Downstream of Point of Discharge
- Discharge Point
- Outfall 001

N
SCALE: 1 IN = 2,000 feet
0 2,000 4,000
Feet

Date: 2/22/2024
Project: 212C-HN-00445

WATTBRIDGE

SPIF FIGURE 1

7.5-MINUTE USGS TOPOGRAPHIC QUADRANGLE MAP

ANGELINA COUNTY, TEXAS

Prepared By: TETRA TECH

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

☒ New Permit or Registration Application

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

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

Section 2. Secondary Screening

☒ Requires public notice,

☐ Considered to have significant public interest, **and**

☐ Located within any of the following geographical locations:

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

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

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

This is a new application for a minor facility that is not located within any of the geographical locations described in the PIP instructions. This application will not have significant public interest based on the area the facility will be located.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste ☐ Scrap Tire
☐ Radioactive Material Licensing ☐ Underground Injection Control

Water Quality

☒ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit

☐ Class B Biosolids Land Application Permit

☐ Domestic Septage Land Application Registration

Water Rights New Permit

☐ New Appropriation of Water

☐ New or existing reservoir

Amendment to an Existing Water Right

☐ Add a New Appropriation of Water

☐ Add a New or Existing Reservoir

☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Wattbridge Texas LLC (CN605946615) proposes to operate Longleaf Generating RN111794756 a natural gas-fired electric generation station. The facility will be located on the west side of Lightfoot Road (CR127) approximately 1 mile north of the intersection with Farm-to-Market 842 Road, in Lufkin, Angelina County, Texas 75901. The facility requests a permit to discharge wastewater to Paper Mill Creek.

Discharges from the facility are expected to contain total dissolved solids, chloride, and sulfate. Reverse osmosis, electrodeionization reject water and decant water from an oil water separator will be discharged through Outfall 001.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

Lufkin

(City)

Angelina

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.

☐ City ☐ County ☒ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

82.2%

(b) Per capita income for population near the specified location

$26,904

(c) Percent of minority population and percent of population by race within the specified location

White - 43%, Black - 18%, Hispanic - 34%, Asian - 2%, Two or more races - 3%

(d) Percent of Linguistically Isolated Households by language within the specified location

Spanish - 2%

(e) Languages commonly spoken in area by percentage

Spanish - 28.9%
English - 71.1%

(f) Community and/or Stakeholder Groups

Angelina County Judge and Commissioners

(g) Historic public interest or involvement

Aquatic life use, contact recreation use, general use

Section 6. Planned Public Outreach Activities

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

☒ Yes ☐ No

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

☐ Yes ☒ No

If Yes, please describe.

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

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

☒ Yes ☐ No

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

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

☑ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☑ Public Place (specify) Kurth Memorial Library, 706S Raguet St., Lufkin, TX 75904

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

TEXAS REALTORS

COMMERCIAL CONTRACT - UNIMPROVED PROPERTY

1. PARTIES: Seller agrees to sell and convey to Buyer the Property described in Paragraph 2. Buyer agrees to buy the Property from Seller for the sales price stated in Paragraph 3. The parties to this contract are:

Seller: Gillespie Partners, Ltd, a Texas limited partnership

Address: 8211 South U.S. Hwy 59 Nacogdoches, TX 75964
Phone: _____ E-mail: _____
Fax: _____ Other: _____

Buyer: WattBridge Texas Holding, LLC, a Delaware limited liability company

Address: 8303 McHard Rd Houston, TX 77053
Phone: 660-829-5100 E-mail: jaraiza@wattbridge.info and coliver@wattbridge.info
Fax: _____ Other: _____

2. PROPERTY:

A. "Property" means that real property situated in Angelina County, Texas ~~at~~ involving approx. 90 acres of land situated in Angelina, Texas *(address)* and that is ~~legally~~ described on the attached Exhibit "A" ~~or as follows~~:

The Property is comprised of a portion of both Angelina CAD Property ID No. 32793 and Property ID No. 38220, and is depicted on Exhibit "A" attached hereto.

B. Seller will sell and convey the Property together with:
(1) all rights, privileges, and appurtenances pertaining to the Property, including Seller's right, title, and interest in any minerals, utilities, adjacent streets, alleys, strips, gores, and rights-of-way;
(2) Seller's interest in all leases, rents, and security deposits for all or part of the Property; and
(3) Seller's interest in all licenses and permits related to the Property.

(Describe any exceptions, reservations, or restrictions in Paragraph 12 or an addendum.)
(If mineral rights are to be reserved an appropriate addendum should be attached.)

3. SALES PRICE:

A. At or before closing, Buyer will pay the following sales price for the Property:

(1) Cash portion payable by Buyer at closing. . . . . $ _____

(2) Sum of all financing described in Paragraph 4 . . . . . $ _____

(3) Sales price (sum of 3A(1) and 3A(2)) . . . . . $ 990,000

B. Adjustment to Sales Price: *(Check (1) or (2) only.)*

☐ (1) The sales price will not be adjusted based on a survey.
☒ (2) The sales price will be adjusted based on the latest survey obtained under Paragraph 6B.

(a) The sales price is calculated on the basis of $ 11,000.00 per:
☐ (i) square foot of ☐ total area ☐ net area.
☒ (ii) acre of ☒ total area ☐ net area.

(b) "Total area" means all land area within the perimeter boundaries of the Property. "Net area" means total area less any area of the Property within:
☐ (i) public roadways;
☐ (ii) rights-of-way and easements other than those that directly provide utility services to the Property; and
☐ (iii) _____
_____.

(c) If the sales price is adjusted by more than _____% of the stated sales price, either party may terminate this contract by providing written notice to the other party within _____ days after the terminating party receives the survey. If neither party terminates this contract or if the variance is less than the stated percentage, the adjustment to the sales price will be made to the cash portion of the sales price payable by Buyer.

4. FINANCING: Buyer will finance the portion of the sales price under Paragraph 3A(2) as follows:

☐ A. Third Party Financing: One or more third party loans in the total amount of $_____. This contract:
☐ (1) is not contingent upon Buyer obtaining third party financing.
☐ (2) is contingent upon Buyer obtaining third party financing in accordance with the attached Commercial Contract Financing Addendum (TXR-1931).

☐ B. Assumption: In accordance with the attached Commercial Contract Financing Addendum (TXR-1931), Buyer will assume the existing promissory note secured by the Property, which balance at closing will be $_____.

☐ C. Seller Financing: The delivery of a promissory note and deed of trust to Seller under the terms of the attached Commercial Contract Financing Addendum (TXR-1931) in the amount of $_____.

5. EARNEST MONEY:

A. Not later than 3 business days after the effective date, Buyer must deposit $ 20,000.00 as earnest money with Title Houston Holdings (title company) at 7500 San Felipe, Suite 1020, Houston, TX 77063, Email: djackson@titlehoustonholdings.com (address) Donna Jackson (closer).
If Buyer fails to timely deposit the earnest money, Seller may terminate this contract or exercise any of Seller's other remedies under Paragraph 15 by providing written notice to Buyer before Buyer deposits the earnest money.

B. Buyer will deposit an additional amount of $_____ with the title company to be made part of the earnest money on or before:
☐ (i) _____ days after Buyer's right to terminate under Paragraph 7B expires; or
☐ (ii) _____.
Buyer will be in default if Buyer fails to deposit the additional amount required by this Paragraph 5B within 3 days after Seller notifies Buyer that Buyer has not timely deposited the additional amount.

C. ~~Buyer may instruct~~ the title company ~~to~~ shall deposit the earnest money in an interest-bearing account at a federally insured financial institution and to credit any interest to Buyer.

6. TITLE POLICY AND SURVEY:

A. Title Policy:

(1) Seller, at Seller's expense, will furnish Buyer an Owner's Policy of Title Insurance (the title policy) issued by any underwriter of the title company in the amount of the sales price, dated at or after closing, insuring Buyer against loss under the title policy, subject only to:
(a) those title exceptions permitted by this contract or as may be approved by Buyer in writing; and
(b) the standard printed exceptions contained in the promulgated form of title policy unless this contract provides otherwise.

(2) The standard printed exception as to discrepancies, conflicts, or shortages in area and boundary lines, or any encroachments or protrusions, or any overlapping improvements:
☐ (a) will not be amended or deleted from the title policy.
☒ (b) ~~will~~ may be amended to read "shortages in areas" at the expense of ☒ Buyer ☐ Seller.

(3) Within 10 days after the effective date, Seller will furnish Buyer a commitment for title insurance (the commitment) including legible copies of recorded documents evidencing title exceptions. Seller authorizes the title company to deliver the commitment and related documents to Buyer at Buyer's address.

B. Survey: Within 45 days after the effective date:

☒ (1) Buyer will obtain a survey of the Property at Buyer's expense and deliver a copy of the survey to Seller. The survey must be made in accordance with the: (i) ALTA/NSPS Land Title Survey standards, or (ii) Texas Society of Professional Surveyors' standards for a Category 1A survey under the appropriate condition. Seller will reimburse Buyer $0 *(insert amount)* of the cost of the survey at closing, if closing occurs.

☐ (2) Seller, at Seller's expense, will furnish Buyer a survey of the Property dated after the effective date. The survey must be made in accordance with the: (i) ALTA/NSPS Land Title Survey standards, or (ii) Texas Society of Professional Surveyors' standards for a Category 1A survey under the appropriate condition.

☐ (3) Seller will deliver to Buyer and the title company a true and correct copy of Seller's most recent survey of the Property along with an affidavit required by the title company for approval of the existing survey. If the existing survey is not acceptable to the title company, ☐ Seller ☐ Buyer (updating party), will, at the updating party's expense, obtain a new or updated survey acceptable to the title company and deliver the acceptable survey to the other party and the title company within 20 days after the title company notifies the parties that the existing survey is not acceptable to the title company. The closing date will be extended daily up to 20 days if necessary for the updating party to deliver an acceptable survey within the time required. The other party will reimburse the updating party _____ _____ *(insert amount or percentage)* of the cost of the new or updated survey at closing, if closing occurs.

C. Buyer's Objections to the Commitment and Survey:

(1) Within 20 days after Buyer receives the last of the commitment, copies of the documents evidencing the title exceptions, and any required survey, Buyer may object in writing to matters disclosed in the items if: (a) the matters disclosed are a restriction upon the Property or constitute a defect or encumbrance to title other than those permitted by this contract or liens that Seller will satisfy at closing or Buyer will assume at closing; or (b) the items show that any part of the Property lies in a special flood hazard area (an "A" or "V" zone as defined by FEMA). If the commitment or survey is

revised or any new document evidencing a title exception is delivered, Buyer may object to any new matter revealed in such revision or new document. Buyer's objection must be made within the same number of days stated in this paragraph, beginning when the revision or new document is delivered to Buyer. If Paragraph 6B(1) applies, Buyer is deemed to receive the survey on the earlier of: (i) the date of Buyer's actual receipt of the survey; or (ii) of the deadline specified in Paragraph 6B.

(2) Seller may, but is not obligated to, cure Buyer's timely objections within 15 days after Seller receives the objections. The closing date will be extended as necessary to provide such time to cure the objections. If Seller fails to cure the objections by the time required, Buyer may terminate this contract by providing written notice to Seller within 5 days after the time by which Seller must cure the objections. If Buyer terminates, the earnest money, less any independent consideration under Paragraph 7B(1), will be refunded to Buyer.

(3) Buyer's failure to timely object or terminate under this Paragraph 6C is a waiver of Buyer's right to object except that Buyer will not waive the requirements in Schedule C of the commitment.

7. PROPERTY CONDITION:

A. Present Condition: Buyer accepts the Property in its present condition ~~except that Seller, at Seller's expense, will complete the following before closing~~: as is, where is

B. Feasibility Period: Buyer may terminate this contract for any reason within 60 days after the effective date (feasibility period) by providing Seller written notice of termination.

(1) Independent Consideration. *(Check only one box and insert amounts.)*

☒ (a) If Buyer terminates under this Paragraph 7B, the earnest money will be refunded to Buyer less $ 100.00 that Seller will retain as independent consideration for Buyer's unrestricted right to terminate. Buyer has tendered the independent consideration to Seller upon payment of the amount specified in Paragraph 5A to the title company. The independent consideration is to be credited to the sales price only upon closing of the sale. If no dollar amount is stated in this Paragraph 7B(1) or if Buyer fails to deposit the earnest money, Buyer will not have the right to terminate under this Paragraph 7B.

☐ (b) Not later than 3 days after the effective date, Buyer must pay Seller $ _____ as independent consideration for Buyer's right to terminate by tendering such amount to Seller or Seller's agent. If Buyer terminates under this Paragraph 7B, the earnest money will be refunded to Buyer and Seller will retain the independent consideration. The independent consideration will be credited to the sales price only upon closing of the sale. If no dollar amount is stated in this Paragraph 7B(2) or if Buyer fails to pay the independent consideration, Buyer will not have the right to terminate under this Paragraph 7B.

(2) Feasibility Period Extension: Prior to the expiration of the initial feasibility period, Buyer may extend the feasibility period for a single period of an additional 30 days by depositing additional earnest money in the amount of $ 10,000.00 with the title company. If no dollar amount is stated in this Paragraph or if Buyer fails to timely deposit the additional earnest money, the extension of the feasibility period will not be effective.

C. Inspections, Studies, or Assessments:

(1) During the feasibility period, Buyer, at Buyer's expense, may complete or cause to be completed any and all inspections, studies, or assessments of the Property (including all improvements and fixtures) desired by Buyer.

(2) Buyer must:
(a) employ only trained and qualified inspectors and assessors;
(b) notify Seller, in advance, of when the inspectors or assessors will be on the Property;
(c) abide by any reasonable entry rules or requirements of Seller;
(d) not interfere with existing operations or occupants of the Property; and
(e) restore the Property to its original condition if altered due to inspections, studies, or assessments that Buyer completes or causes to be completed.

(3) Except for those matters that arise from the negligence of Seller or Seller's agents, Buyer is responsible for any claim, liability, encumbrance, cause of action, and expense resulting from Buyer's inspections, studies, or assessments, including any property damage or personal injury. Buyer will indemnify, hold harmless, and defend Seller and Seller's agents against any claim involving a matter for which Buyer is responsible under this paragraph. This paragraph survives termination of this contract.

D. Property Information:

(1) Delivery of Property Information: Within 10 days after the effective date, Seller will deliver to Buyer: *(Check all that apply.)*
☒ (a) copies of all current leases, including any mineral leases, pertaining to the Property, including any modifications, supplements, or amendments to the leases;
☐ (b) copies of all notes and deeds of trust against the Property that Buyer will assume or that Seller will not pay in full on or before closing;
☒ (c) copies of all previous environmental assessments, geotechnical reports, studies, or analyses made on or relating to the Property;
☒ (d) copies property tax statements for the Property for the previous 2 calendar years;
☒ (e) plats of the Property;
☐ (f) copies of current utility capacity letters from the Property's water and sewer service provider; and
☐ (g) _____
_____
_____.

(2) Return of Property Information: If this contract terminates for any reason, Buyer will, not later than 10 days after the termination date: *(Check all that apply.)*
☐ (a) return to Seller all those items described in Paragraph 7D(1) that Seller delivered to Buyer in other than an electronic format and all copies that Buyer made of those items;
☒ (b) delete or destroy all electronic versions of those items described in Paragraph 7D(1) that Seller delivered to Buyer or Buyer copied in any format; and
☐ (c) deliver to Seller copies of all inspection and assessment reports related to the Property that Buyer completed or caused to be completed.
This Paragraph 7D(2) survives termination of this contract.

E. Contracts Affecting Operations: Until closing, Seller: (1) will operate the Property in the same manner as on the effective date under reasonably prudent business standards; and (2) will not transfer or dispose of any part of the Property, any interest or right in the Property, or any of the personal property or other items described in Paragraph 2B or sold under this contract. After the feasibility period ends, Seller may not enter into, amend, or terminate any other contract that affects the operations of the Property without Buyer's written approval.

8. LEASES: Seller represents and warrants to Buyer that there are one active leases on the Property. a hunting lease until January 1, 2023.

A. ~~Each written lease Seller is to assign to Buyer under this contract must be in full force and effect according to its terms~~. Seller may not enter into any new lease, fail to comply with any existing lease, or make any amendment or modification to any existing lease without Buyer's written consent. Seller must disclose, in writing, if any of the following exist at the time Seller provides the leases to the Buyer or subsequently occur before closing:
(1) any failure by Seller to comply with Seller's obligations under the leases;
(2) any circumstances under any lease that entitle the tenant to terminate the lease or seek any offsets or damages;
(3) any advance sums paid by a tenant under any lease;
(4) any concessions, bonuses, free rents, rebates, brokerage commissions, or other matters that affect any lease; and
(5) any amounts payable under the leases that have been assigned or encumbered, except as security for loan(s) assumed or taken subject to under this contract.

B. ~~Estoppel Certificates: Within _____ days after the effective date, Seller will deliver to Buyer estoppel certificates signed not earlier than _____ by each tenant that leases space in the Property. The estoppel certificates must include the certifications contained in the current version of TXR Form 1938 – Commercial Tenant Estoppel Certificate and any additional information requested by a third party lender providing financing under Paragraph 4 if the third party lender requests such additional information at least 10 days prior to the earliest date that Seller may deliver the signed estoppel certificates~~.

9. BROKERS:

A. The brokers to this sale are:

Principal Broker: _____	**Cooperating Broker:** Alliance Properties
Agent: _____	Agent: Velma Ellison
Address: _____	Address: 5519 FM 2100 RD Crosby, Texas 77532
Phone & Fax: _____	Phone & Fax: _____
E-mail: _____	E-mail: _____
License No.: _____	License No.: _____

Principal Broker: *(Check only one box)*
☐ represents Seller only.
☐ represents Buyer only.
☐ is an intermediary between Seller and Buyer.

Cooperating Broker represents Buyer.

B. Fees: ~~*(Check only (1) or (2) below.)*~~ Buyer shall be responsible for any commission owed to Cooperating Broker in connection with this contract pursuant to a separate written agreement between Buyer and Cooperating Broker.
(Complete the Agreement Between Brokers on page 14 only if (1) is selected.)

☐ (1) Seller will pay Principal Broker the fee specified by separate written commission agreement between Principal Broker and Seller. Principal Broker will pay Cooperating Broker the fee specified in the Agreement Between Brokers found below the parties' signatures to this contract.

☐ (2) At the closing of this sale, Seller will pay:

Principal Broker a total cash fee of: ☑ 0 % of the sales price.	Cooperating Broker a total cash fee of: ☑ 0 % of the sales price.

☐ _____. ☐ _____.

The cash fees will be paid in _____ County, Texas. Seller authorizes the title company to pay the brokers from the Seller's proceeds at closing.

NOTICE: Chapter 62, Texas Property Code, authorizes a broker to secure an earned commission with a lien against the Property.

C. The parties may not amend this Paragraph 9 without the written consent of the brokers affected by the amendment.

10. CLOSING:

A. The date of the closing of the sale (closing date) will be on or before the ~~later~~ earlier of:
(1) ☒ 10 months ~~days~~ after the expiration of the feasibility period.
☐ _____ *(specific date)*.
☒ 20 days following Buyer's notice to Seller of Buyer's election to close.
(~~2) 7 days after objections made under Paragraph 6C have been cured or waived~~.

B. If either party fails to close by the closing date, the non-defaulting party may exercise the remedies in Paragraph 15.

C. At closing, Seller will execute and deliver, at Seller's expense, a ☒ general ☐ special warranty deed. The deed must include a vendor's lien if any part of the sales price is financed. The deed must convey good and indefeasible title to the Property and show no exceptions other than those permitted under Paragraph 6 or other provisions of this contract. Seller must convey the Property:
(1) with no liens, assessments, or other security interests against the Property which will not be satisfied out of the sales price, unless securing loans Buyer assumes;
(2) without any assumed loans in default; and
(3) with no persons in possession of any part of the Property as lessees, tenants at sufferance, or trespassers except tenants under the written leases assigned to Buyer under this contract.

D. At closing, Seller, at Seller's expense, will also deliver to Buyer:
(1) tax statements showing no delinquent taxes on the Property;
(2) an assignment of all leases to or on the Property;
(3) to the extent assignable, an assignment to Buyer of any licenses and permits related to the Property;
(4) evidence that the person executing this contract is legally capable and authorized to bind Seller;
(5) an affidavit acceptable to the title company stating that Seller is not a foreign person or, if Seller is a foreign person, a written authorization for the title company to: (i) withhold from Seller's proceeds an amount sufficient to comply with applicable tax law; and (ii) deliver the amount to the Internal Revenue Service (IRS) together with appropriate tax forms; and
(6) any notices, statements, certificates, affidavits, releases, and other documents required by this contract, the commitment, or law necessary for the closing of the sale and issuance of the title policy, all of which must be completed by Seller as necessary.

E. At closing, Buyer will:
(1) pay the sales price in good funds acceptable to the title company;
(2) deliver evidence that the person executing this contract is legally capable and authorized to bind Buyer;
(3) ~~sign and send to each tenant in a lease for any part of the Property a written statement that:~~
~~(a) acknowledges Buyer has received and is responsible for the tenant's security deposit; and~~
~~(b) specifies the exact dollar amount of the security deposit;~~
~~(4) sign an assumption of all leases then in effect~~; and
(5) execute and deliver any notices, statements, certificates, or other documents required by this contract or law necessary to close the sale.

F. Unless the parties agree otherwise, the closing documents will be as found in the basic forms in the current edition of the State Bar of Texas Real Estate Forms Manual without any additional clauses.
Buyer's counsel shall prepare the initial drafts of the closing documents for Seller's review and comment.

11. POSSESSION: Seller will deliver possession of the Property to Buyer upon closing and funding of this sale in its present condition with any repairs Seller is obligated to complete under this contract, ordinary wear and tear excepted. Any possession by Buyer before closing or by Seller after closing that is not authorized by a separate written lease agreement is a landlord-tenant at sufferance relationship between the parties.

12. SPECIAL PROVISIONS: The following special provisions apply and will control in the event of a conflict with other provisions of this contract. *(If special provisions are contained in an Addendum, identify the Addendum here and reference the Addendum in Paragraph 22D.)*

See the attached Addendum to Commercial Contract - Unimproved Property (the "Addendum").

13. SALES EXPENSES:

A. Seller's Expenses: Seller will pay for the following at or before closing:
(1) releases of existing liens, other than those liens assumed by Buyer, including prepayment penalties and recording fees;
(2) release of Seller's loan liability, if applicable;
(3) tax statements or certificates;
(4) preparation of the deed;
(5) one-half of any escrow fee;
(6) costs to record any documents to cure title objections that Seller must cure; and
(7) other expenses that Seller will pay under other provisions of this contract.

B. Buyer's Expenses: Buyer will pay for the following at or before closing:
(1) all loan expenses and fees;
(2) preparation of any deed of trust;
(3) recording fees for the deed and any deed of trust;
(4) premiums for flood insurance as may be required by Buyer's lender;
(5) one-half of any escrow fee;
(6) other expenses that Buyer will pay under other provisions of this contract.

14. PRORATIONS:

A. Prorations:
(1) Interest on any assumed loan, taxes, ~~rents, and any expense reimbursements from tenants~~ will be prorated through the closing date.
(2) If the amount of ad valorem taxes for the year in which the sale closes is not available on the closing date, taxes will be prorated on the basis of taxes assessed in the previous year. If the taxes for the year in which the sale closes vary from the amount prorated at closing, the parties will adjust the prorations when the tax statements for the year in which the sale closes become available. This Paragraph 14A(2) survives closing.
(3) If Buyer assumes a loan or is taking the Property subject to an existing lien, Seller will transfer all reserve deposits held by the lender for the payment of taxes, insurance premiums, and other charges to Buyer at closing and Buyer will reimburse such amounts to Seller by an appropriate adjustment at closing.

B. Rollback Taxes: If Seller's use or change in use of the Property before closing results in the assessment of additional taxes, penalties, or interest (assessments) for periods before closing, the assessments will be the obligation of the Seller. If this sale or Buyer's use of the Property after closing results in additional assessments for periods before closing, the assessments will be the obligation of Buyer. This Paragraph 14B survives closing.

C. ~~Rent and Security Deposits: At closing, Seller will tender to Buyer all security deposits and the following advance payments received by Seller for periods after closing: prepaid expenses, advance rental payments, and other advance payments paid by tenants. Rents prorated to one party but received by the other party will be remitted by the recipient to the party to whom it was prorated within 5 days after the rent is received. This Paragraph 14C survives closing.~~

15. DEFAULT:

A. If Buyer fails to comply with this contract, Buyer is in default and Seller, as Seller's sole remedy(ies), may terminate this contract and receive the earnest money, as liquidated damages for Buyer's failure except for any damages resulting from Buyer's inspections, studies or assessments in accordance with Paragraph 7C(3) which Seller may pursue, or
(Check if applicable)
☐ enforce specific performance, or seek such other relief as may be provided by law.

B. If, without fault, Seller is unable within the time allowed to deliver the estoppel certificates, survey or the commitment, Buyer may:
(1) terminate this contract and receive the earnest money, less any independent consideration under Paragraph 7B(1), as liquidated damages and as Buyer's sole remedy; or
(2) extend the time for performance up to 15 days and the closing will be extended as necessary.

C. Except as provided in Paragraph 15B, if Seller fails to comply with this contract, Seller is in default and Buyer may:
(1) terminate this contract and receive the earnest money, less any independent consideration under Paragraph 7B(1), as liquidated damages and as Buyer's sole remedy; or
(2) enforce specific performance, or seek such other relief as may be provided by law, or both.

16. CONDEMNATION: If before closing, condemnation proceedings are commenced against any part of the Property, Buyer may:

A. terminate this contract by providing written notice to Seller within 15 days after Buyer is advised of the condemnation proceedings and the earnest money, less any independent consideration paid under Paragraph 7B(1), will be refunded to Buyer; or

B. appear and defend in the condemnation proceedings and any award will, at Buyer's election, belong to:
(1) Seller and the sales price will be reduced by the same amount; or
(2) Buyer and the sales price will not be reduced.

17. ATTORNEY'S FEES: If Buyer, or Seller, ~~any broker, or the title company~~ is a prevailing party in any legal proceeding brought under or with relation to this contract or this transaction, such party is entitled to recover from the non-prevailing parties all costs of such proceeding and reasonable attorney's fees. This Paragraph 17 survives termination of this contract.

18. ESCROW:

A. At closing, the earnest money will be applied first to any cash down payment, then to Buyer's closing costs, and any excess will be refunded to Buyer. If no closing occurs, the title company may require payment of unpaid expenses incurred on behalf of the parties and a written release of liability of the title company from all parties.

B. If one party makes written demand for the earnest money, the title company will give notice of the demand by providing to the other party a copy of the demand. If the title company does not receive written objection to the demand from the other party within 15 days after the date the title company sent the demand to the other party, the title company may disburse the earnest money to the party making demand, reduced by the amount of unpaid expenses incurred on behalf of the party receiving the earnest money and the title company may pay the same to the creditors.

C. The title company will deduct any independent consideration under Paragraph 7B(1) before disbursing any earnest money to Buyer and will pay the independent consideration to Seller.

D. If the title company complies with this Paragraph 18, each party hereby releases the title company from all claims related to the disbursal of the earnest money.

E. Notices under this Paragraph 18 must be sent by certified mail, return receipt requested. Notices to the title company are effective upon receipt by the title company.

F. Any party who wrongfully fails or refuses to sign a release acceptable to the title company within 7 days after receipt of the request will be liable to the other party for: (i) damages; (ii) the earnest money; (iii) reasonable attorney's fees; and (iv) all costs of suit.

G. ☐ Seller ☐ Buyer intend(s) to complete this transaction as a part of an exchange of like-kind properties in accordance with Section 1031 of the Internal Revenue Code, as amended. All expenses in connection with the contemplated exchange will be paid by the exchanging party. The other party will not incur any expense or liability with respect to the exchange. The parties agree to cooperate fully and in good faith to arrange and consummate the exchange so as to comply to the maximum extent feasible with the provisions of Section 1031 of the Internal Revenue Code. The other provisions of this contract will not be affected in the event the contemplated exchange fails to occur.

19. MATERIAL FACTS: To the best of Seller's knowledge and belief: *(Check only one box.)*

☐ A. Seller is not aware of any material defects to the Property except as stated in the attached Commercial Property Condition Statement (TXR-1408).

☒ B. Except as otherwise provided in this contract, Seller is not aware of:
(1) any subsurface: structures, pits, waste, springs, or improvements;
(2) any pending or threatened litigation, condemnation, or assessment affecting the Property;
(3) any environmental hazards or conditions that materially affect the Property;
(4) whether the Property is or has been used for the storage or disposal of hazardous materials or toxic waste, a dump site or landfill, or any underground tanks or containers;
(5) whether radon, asbestos containing materials, urea-formaldehyde foam insulation, lead-based paint, toxic mold (to the extent that it adversely affects the health of ordinary occupants), or other pollutants or contaminants of any nature now exist or ever existed on the Property;
(6) any wetlands, as defined by federal or state law or regulation, on the Property;
(7) any threatened or endangered species or their habitat on the Property;
(8) any present or past infestation of wood-destroying insects in the Property's improvements;
(9) any contemplated material changes to the Property or surrounding area that would materially and detrimentally affect the ordinary use of the Property;
(10) any condition on the Property that violates any law or ordinance.

(Describe any exceptions to (1)-(10) in Paragraph 12 or an addendum.)

20. NOTICES: All notices between the parties under this contract must be in writing and are effective when hand-delivered, mailed by certified mail return receipt requested, or sent by facsimile transmission to the parties addresses or facsimile numbers stated in Paragraph 1. The parties will send copies of any notices to the broker representing the party to whom the notices are sent.

☒ A. Seller also consents to receive any notices by e-mail at Seller's e-mail address stated in Paragraph 1.

☒ B. Buyer also consents to receive any notices by e-mail at Buyer's e-mail address stated in Paragraph 1.

21. DISPUTE RESOLUTION: The parties agree to negotiate in good faith in an effort to resolve any dispute related to this contract that may arise. ~~If the dispute cannot be resolved by negotiation, the parties will submit the dispute to mediation before resorting to arbitration or litigation and will equally share the costs of a mutually acceptable mediator. This paragraph survives termination of this contract. This paragraph does not preclude a party from seeking equitable relief from a court of competent jurisdiction.~~

22. AGREEMENT OF THE PARTIES:

A. This contract is binding on the parties, their heirs, executors, representatives, successors, and permitted assigns. This contract is to be construed in accordance with the laws of the State of Texas. If any term or condition of this contract shall be held to be invalid or unenforceable, the remainder of this contract shall not be affected thereby.

B. This contract contains the entire agreement of the parties and may not be changed except in writing.

C. If this contract is executed in a number of identical counterparts, each counterpart is an original and all counterparts, collectively, constitute one agreement.

D. Addenda which are part of this contract are: *(Check all that apply.)*
- ☐ (1) Property Description Exhibit identified in Paragraph 2;
- ☐ (2) Commercial Contract Financing Addendum (TXR-1931);
- ☐ (3) Commercial Property Condition Statement (TXR-1408);
- ☐ (4) Commercial Contract Addendum for Special Provisions (TXR-1940);
- ☐ (5) Notice to Purchaser of Real Property in a Water District (MUD);
- ☐ (6) Addendum for Coastal Area Property (TXR-1915);
- ☐ (7) Addendum for Property Located Seaward of the Gulf Intracoastal Waterway (TXR-1916);
- ☐ (8) Information About Brokerage Services (TXR-2501);
- ☐ (9) Information About Mineral Clauses in Contract Forms (TXR-2509);
- ☐ (10) Notice of Obligation to Pay Improvement District Assessment (TXR-1955, PID); and
- ☒ (11) The Addendum _____

(Note: Counsel for Texas REALTORS® has determined that any of the foregoing addenda which are promulgated by the Texas Real Estate Commission (TREC) or published by Texas REALTORS® are appropriate for use with this form.)

E. Buyer ☒ may ☐ may not assign this contract. If Buyer assigns this contract, Buyer will be relieved of any future liability under this contract only if the assignee assumes, in writing, all obligations and liability of Buyer under this contract.

23. TIME: Time is of the essence in this contract. The parties require strict compliance with the times for performance. If the last day to perform under a provision of this contract falls on a Saturday, Sunday, or legal holiday, the time for performance is extended until the end of the next day which is not a Saturday, Sunday, or legal holiday.

24. EFFECTIVE DATE: The effective date of this contract for the purpose of performance of all obligations is the date the title company receipts this contract after all parties execute this contract.

25. ADDITIONAL NOTICES:

A. Buyer should have an abstract covering the Property examined by an attorney of Buyer's selection, or Buyer should be furnished with or obtain a title policy.

B. If the Property is situated in a utility or other statutorily created district providing water, sewer, drainage, or flood control facilities and services, Chapter 49, Texas Water Code, requires Seller to deliver and Buyer to sign the statutory notice relating to the tax rate, bonded indebtedness, or standby fees of the district before final execution of this contract.

C. Notice Required by §13.257, Water Code: "The real property, described below, that you are about to purchase may be located in a certificated water or sewer service area, which is authorized by law to provide water or sewer service to the properties in the certificated area. If your property is located in a certificated area there may be special costs or charges that you will be required to pay before you can receive water or sewer service. There may be a period required to construct lines or other facilities necessary to provide water or sewer service to your property. You are advised to determine if the property is in a certificated area and contact the utility service provider to determine the cost that you will be required to pay and the period, if any, that is required to provide water or sewer service to your property. The undersigned purchaser hereby acknowledges receipt of the foregoing notice at or before the execution of a binding contract for the purchase of the real property described in the notice or at closing of purchase of the real property." The real property is described in Paragraph 2 of this contract.

D. If the Property adjoins or shares a common boundary with the tidally influenced submerged lands of the state, §33.135 of the Texas Natural Resources Code requires a notice regarding coastal area property to be included as part of this contract *(the Addendum for Coastal Area Property (TXR-1915) may be used)*.

E. If the Property is located seaward of the Gulf Intracoastal Waterway, §61.025, Texas Natural Resources Code, requires a notice regarding the seaward location of the Property to be included as part of this contract *(the Addendum for Property Located Seaward of the Gulf Intracoastal Waterway (TXR-1916) may be used)*.

F. If the Property is located outside the limits of a municipality, the Property may now or later be included in the extra-territorial jurisdiction (ETJ) of a municipality and may now or later be subject to annexation by the municipality. Each municipality maintains a map that depicts its boundaries and ETJ. To determine if the Property is located within a municipality's ETJ, Buyer should contact all municipalities located in the general proximity of the Property for further information.

G. Brokers are not qualified to perform property inspections, surveys, engineering studies, environmental assessments, or inspections to determine compliance with zoning, governmental regulations, or laws. Buyer should seek experts to perform such services. Buyer should review local building codes, ordinances and other applicable laws to determine their effect on the Property. Selection of experts, inspectors, and repairmen is the responsibility of Buyer and not the brokers. Brokers are not qualified to determine the credit worthiness of the parties.

H. NOTICE OF WATER LEVEL FLUCTUATIONS: If the Property adjoins an impoundment of water, including a reservoir or lake, constructed and maintained under Chapter 11, Water Code, that has a storage capacity of at least 5,000 acre-feet at the impoundment's normal operating level, Seller hereby notifies Buyer: "The water level of the impoundment of water adjoining the Property fluctuates for various reasons, including as a result of: (1) an entity lawfully exercising its right to use the water stored in the impoundment; or (2) drought or flood conditions."

I. LICENSE HOLDER DISCLOSURE: Texas law requires a real estate license holder who is a party to a transaction or acting on behalf of a spouse, parent, child, business entity in which the license holder owns more than 10%, or a trust for which the license holder acts as a trustee or of which the license holder or the license holder's spouse, parent or child is a beneficiary, to notify the other party in writing before entering into a contract of sale. Disclose if applicable: _____.

J. PUBLIC IMPROVEMENT DISTRICTS: If the Property is in a public improvement district, Seller must give Buyer written notice as required by §5.014, Property Code. An addendum containing the required notice shall be attached to this contract.

26. CONTRACT AS OFFER: The execution of this contract by the first party constitutes an offer to buy or sell the Property. Unless the other party accepts the offer by 5:00 p.m., in the time zone in which the Property is located, on _____, the offer will lapse and become null and void.

READ THIS CONTRACT CAREFULLY. The brokers and agents make no representation or recommendation as to the legal sufficiency, legal effect, or tax consequences of this document or transaction. CONSULT your attorney BEFORE signing.

Seller: Gillespie Partners, Ltd,
a Texas limited partnership

By: LLOYD GILLESPIE
By (signature): Lloyd Gillespie
Printed Name: LLoyd Gillespie
Title: General Partner

By: _____
By (signature): _____
Printed Name: _____
Title: _____

Buyer: WattBridge Texas Holding, LLC,
a Delaware limited liability company

By: Mike Alvarado
By (signature): _____
Printed Name: Mike Alvarado
Title: President

By: _____
By (signature): _____
Printed Name: _____
Title: _____

Exhibit "A"

Depiction of the Property

Being the outlined tract below:

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ADDENDUM TO COMMERCIAL CONTRACT – UNIMPROVED PROPERTY

THIS ADDENDUM TO COMMERCIAL CONTRACT – UNIMPROVED PROPERTY (this "***Addendum***") is attached to and incorporated herein by reference to that certain Commercial Contract – Unimproved Property (the "***Contract***") by and between **Gillespie Partners, Ltd**, a Texas limited partnership ("***Seller***"), and **WattBridge Texas Holding, LLC**, a Delaware limited liability company ("***Buyer***"), for the purchase and sale of that certain unimproved real property involving approximately 90 acres of land situated in Angelina, Texas, as more particularly described in the Contract.

The following modifications and supplemental provisions are hereby incorporated into the Contract as if set forth therein verbatim, and all terms used herein that have a defined meaning in the Contract shall have the same meaning herein unless expressly stated to the contrary. To the extent of any conflict between the terms of the Contract and the terms of this Addendum, the terms of this Addendum shall control.

1. **THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 2A OF THE CONTRACT:**

"Seller and Buyer acknowledge that the legal description contained in this contract technically may be, or is, legally insufficient for the purposes of supporting an action for specific performance or other enforcement hereof. As such, Seller and Buyer confirm unto one another that notwithstanding the insufficiency, the parties desire to proceed to sell and purchase the Property. Therefore, because the parties are desirous of executing this contract, and to provide for the right of Buyer to demand and successfully enforce specific performance and to insure such right is not precluded due to the legal description of the Property, Seller and Buyer agree that (a) in fact, they specifically are familiar with the location of the Property, (b) each party waives any and all claims of an insufficient legal description in a cause of action for performance hereunder, and (c) upon the parties' receipt of the new survey as provided in Paragraph 6B, the metes and bounds of the Property prepared by the surveyor shall become the legal description of the Property."

2. **THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 6.C OF THE CONTRACT:**

"Notwithstanding any provision of this contract to the contrary, Seller shall be obligated to cure and remove any and all financing liens, tax liens, mechanic's liens or other liens affecting the Property arising by or through Seller ("Impermissible Liens") on or before the closing date, Buyer shall not be required to object to any such Impermissible Lien, and under no circumstances will any Impermissible Liens be permitted exceptions hereunder. If Seller agrees to cure any other objections made by Buyer in accordance with this Paragraph, then Seller shall have until closing to cure such matters. In the event Seller fails to cure any matters at or prior to closing for which Seller has agreed to cure (as well as all Impermissible Liens, if any), then Buyer shall have the right to terminate this contract by delivering written notice to Seller of such termination, and the title company shall return all earnest money to Buyer less the independent consideration. If any new matters appear on the title commitment or survey following Buyer's original title objection period or delivery of title and survey objections (whichever occurs first), Buyer shall have an additional five (5) business days following Buyer's receipt of such new encumbrance to review and object to same in the same manner set forth under this contract."

3. **THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 7 OF THE CONTRACT AS NEW SUBPARAGRAPHS:**

"F. Specific Covenants of Seller: In addition to the other covenants of Seller set forth elsewhere in this contract, Seller covenants and agrees that during the term of this contract Seller will not, without the prior written consent of Buyer:

(a) enter into any contracts or agreements affecting the Property that cannot be terminated upon thirty (30) days' notice and without any penalty or termination payment;
(b) grant any licenses, easements, or other uses affecting any portion of the Property;

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(c) cause or permit the environmental contamination of the Property or any part thereof or knowingly permit any dumping on or filling of the Property in any manner; or

(d) assign, transfer, convey, or relinquish any utility rights or capacities relating to the Property.

G. Release of Earnest Money: Promptly following the expiration of the feasibility period, the Title Company shall release the earnest money held by the Title Company under this contract to Seller, which earnest money shall remain subject to the terms of this contract and shall be applicable to the sales price at closing."

4. THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 10A OF THE CONTRACT:

"Buyer shall have the right, in Buyer's sole discretion, to extend the closing date for a period of twelve (12) months by, at or prior to the original closing date: (i) giving written notice to Seller and the Title Company of such election to extent the closing; and (ii) depositing with the Title Company an additional $20,000.00 of earnest money (the "Extension Deposit"). The Extension Deposit shall be promptly released to the Seller by the Title Company and shall be non-refundable to Buyer (except in the event of a Seller default), but shall be applicable to the sales price at closing."

5. THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 9 OF THE CONTRACT AS A NEW SUBPARAGRAPH:

"D. Buyer and Seller represent that they have no knowledge, other than what is set forth in Paragraph 9 of this contract, of any agreement, understanding, or fact that would entitle any other person, firm, or corporation to any commission in connection with this transaction, and each agrees to indemnify and hold harmless the other for any inaccuracy in such representation, and such indemnification will survive closing."

6. The remedies in Paragraph 15 of the Contract shall be the Buyer's and Seller's respective sole and exclusive remedies under the Contract. Notwithstanding anything in the Paragraph 15 of the Contract to the contrary, if, prior to Closing, either party fails to perform any of its obligations or is otherwise in default thereunder or breaches any representation or warranty contained in the, the non-breaching party shall first give written notice specifying the default to the breaching party, and if the breaching party fails to cure such default within five (5) days of receiving such notice, the non-breaching party may exercise its remedies under Paragraph 15; provided, however, that either party's failure to timely Close under the Contract shall be deemed to be an immediate event of default by such party (provided the other party has fulfilled its obligations under the Contract).

7. THE FOLLOWING IS ADDED AT THE END OF PARAGRAPH 20 OF THE CONTRACT:

"Notices sent by email are effective when sent. Notices sent by national overnight delivery service are effective when deposited with such overnight delivery service."

8. THE FOLLOWING PARAGRAPH 27 IS HEREBY INSERTED INTO THE CONTRACT AS IF FULLY SET FORTH THEREIN:

"**27. SELLER'S REPRESENTATIONS, WARRANTIES AND COVENANTS.** Seller hereby represents, warrants and covenants (with the understanding that Buyer is relying on said representations, warranties and covenants) as to each of the matters set forth below:

(i) Other than those contained or reflected in the documents delivered to Buyer by Seller or in the title commitment, there exist no agreements of sale, leases, occupancy agreements, rights of first refusal, options to purchase, maintenance agreements or similar documents in any manner pertaining to the Property. Seller will convey the Property to Buyer free and clear of any and all service contracts, leases, similar occupancy agreements which shall all be terminated effective as of the closing.

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(ii) Seller is the owner of good and indefeasible title to the Property. The individual(s) executing this contract on behalf of Seller have the right, power and authority to do so and this contract constitutes the legal, valid and binding obligation of Seller.

(iii) The execution of this contract by Seller, the performance by Seller of Seller's obligations hereunder, and the sale, transfer, conveyance and/or assignments contemplated hereby do not require the consent of any third party. This contract and all documents required hereby to be executed by Seller are and shall be valid, legally binding obligations of and enforceable against Seller in accordance with their terms.

It shall be a condition precedent to Buyer's obligation to close the acquisition of the Property that all of Seller's representations and warranties in this Paragraph 27 remain true and correct as of the closing date, failing which Buyer may, in addition to any other remedies available at law or equity, terminate this contract by written notice to Seller and Buyer will receive a refund of the earnest money. The foregoing representations and warranties shall survive closing.

Seller shall give prompt notice to Buyer if Seller obtains knowledge of any event or condition occurring or arising after the Effective Date that would be inconsistent in any material respect with Seller's representations and warranties in Paragraph 27 hereof. During the period in which this contract is in effect, Seller shall not encumber or grant any interest in the Property of any kind or character or enter into any contracts or other agreements binding upon the Property without the prior written consent of Buyer."

9. This Addendum and the Contract may be executed in multiple counterparts, each of which shall be deemed an original and which, taken together, shall constitute one instrument. Signed counterparts of this Addendum and the Contract may be delivered by facsimile and electronic mail, and such reproductions will, for all purposes, be deemed to be the original signature of such party whose signature it reproduces and will be binding upon such party.

[Remainder of Page Left Blank; Signature Page Follows]

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IN WITNESS WHEREOF, the parties hereto have executed this Addendum to be effective as of the Effective Date of the Contract.

SELLER:

Gillespie Partners, Ltd,
a Texas limited partnership

By: _____
Name: LLoyd Gillespie
Title: General Partner

BUYER:

WattBridge Texas Holding, LLC,
a Delaware limited liability company

By: _____
Name: Mike Alvarado
Title: President

4860-4915-8260, v. 2

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 INDUSTRIAL 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.

Wattbridge Texas LLC (CN605946615) proposes to operate Long Leaf Generating (RN111794756), a natural gas-fired electric generation station. The facility will be located at the west side of Lightfoot Road (CR127) approximately 1 mile north of the intersection with Farm-to-Market 842 Road, in Lufkin, Angelina County, Texas 75901. The facility requests a permit to discharge wastewater into Paper Mill Creek.

Discharges from the facility are expected to contain total dissolved solids, chloride, and sulfate. Reverse osmosis, Electrodeionization reject water and decant water from an oil water separator will be discharged through Outfall 001.

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

AGUAS RESIDUALES INDUSTRIALES **/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.

Wattbridge Texas LLC (CN605946615) propone operar la generadora de electricidad Long Leaf (RN111794756), una planta generadora de electricidad alimentada con gas natural. La instalación estará ubicada en el lado oeste del camino Lightfoot (CR127), aproximadamente 1 milla al norte de la intersección con la carretera Farm-to-Market 842, en Lufkin, Condado de Angelina, Texas 75901. La planta solicita un permiso de descarga de efluentes al arroyo Paper Mill a través del desagüe 001.

Se espera que las descargas de la instalación contengan sólidos disueltos totales, cloruro y sulfato. El agua de rechazo de la ósmosis inversa y de la electrodesionización y agua decantada del separador de aceite y agua se estará descargando a través del desagüe 001.

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.

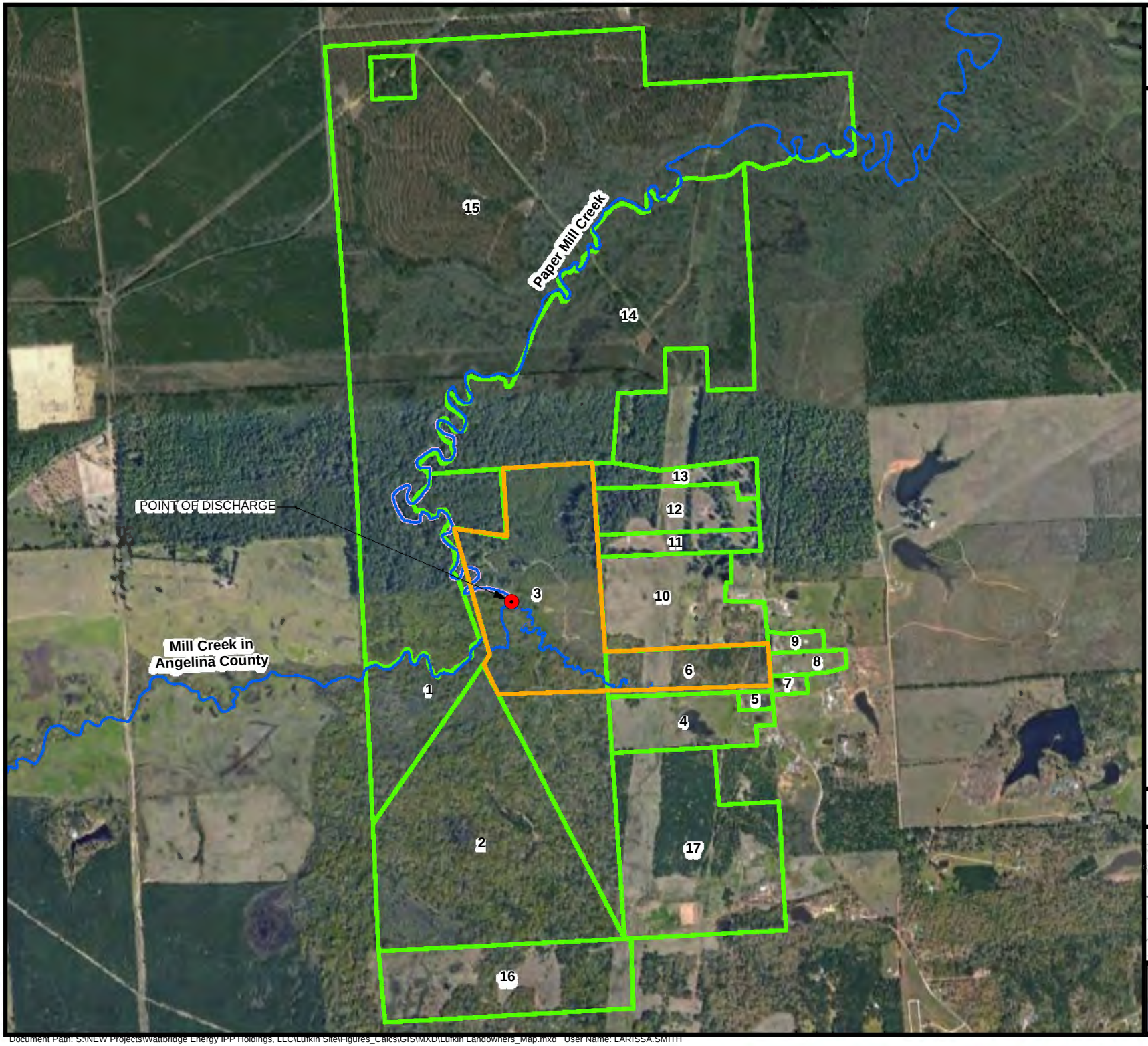
ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin,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



WATTBRIDGE

AFFECTED LANDOWNERS MAP

ANGELINA COUNTY, TEXAS

LEGEND

- Property Boundary
- 1-Mile Downstream of Point of Discharge
- Adjacent Property Boundary
- Outfall 001

N

SCALE: 1 IN = 1,429.1 feet

0 1,000 2,000

Feet

SOURCE: GOOGLE EARTH PRO, 2020.

Date: 2/21/2024
Project: 212C-HN-02533

Prepared By: TETRA TECH

Wattbridge Texas LLC
Landowners List

Map ID	Name	Street	City	State	Zip Code
1	TEXAS TIMBERJACK INC	6004 S FIRST ST	LUFKIN	TX	75901-8558
2	GILLISPIE PARTNERS LTD	PO BOX 631107	NACOGDOCHES	TX	75963-1107
3	GILLISPIE PARTNERS LTD	PO BOX 631107	NACOGDOCHES	TX	75963-1107
4	LIGHTFOOT STEVEN EARL	999 LIGHTFOOT RD	LUFKIN	TX	75901-2265
5	LIGHTFOOT DONNA G	1027 LIGHTFOOT RD	LUFKIN	TX	75901-2267
6	GILLISPIE PARTNERS LTD	PO BOX 631107	NACOGDOCHES	TX	75963-1107
7	MCDONALD CARMEN	1074 LIGHTFOOT RD	LUFKIN	TX	75901-2266
8	MURPHY ANGELA GAIL	1094 LIGHTFOOT RD	LUFKIN	TX	75901
9	HODGES KAREN ETVIR JASON BRIAN	1120 LIGHTFOOT RD	LUFKIN	TX	75901
10	MULLIN PAUL SR ETUX PATRICIA	P.O. BOX 2205	LUFKIN	TX	75902
11	GETRO JAMES GARRY ETUX LYNN	1403 LIGHTFOOT RD	LUFKIN	TX	75901-2269
12	KNIGHT BARBARA JUSTUS STEPHERSON	1095 YOUNGBLOOD RD	HUNTINGTON	TX	75949
13	KNIGHT STEVE ETUX BARBARA	1095 YOUNGBLOOD RD	HUNTINGTON	TX	75949-3479
14	SPARKMAN DERWARD E	7679 N US HIGHWAY 59	LUFKIN	TX	75901-8599
15	TEXAS TIMBERJACK INC	6004 S FIRST ST	LUFKIN	TX	75901-8558
16	THORNTON KAY DEAN	202 THORTON RD	LUFKIN	TX	75901-2270
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TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

The following information **is required** for all applications for a TLAP or an individual TPDES discharge permit.

For **additional information** or clarification on the requested information, please refer to the Instructions for Completing the Industrial Wastewater Permit Application[1] available on the TCEQ website. Please contact the Industrial Permits Team at 512-239-4671 with any questions about this form.

If more than one outfall is included in the application, provide applicable information for each individual outfall. **If an item does not apply to the facility, enter N/A** to indicate that the item has been considered. Include separate reports or additional sheets as **clearly cross-referenced attachments** and provide the attachment number in the space provided for the item the attachment addresses.

NOTE: This application is for an industrial wastewater permit only. Additional authorizations from the TCEQ Waste Permits Division or the TCEQ Air Permits Division may be needed.

Item 1. Facility/Site Information (Instructions, Page 39)

a. Describe the general nature of the business and type(s) of industrial and commercial activities. Include all applicable SIC codes (up to 4).

ProEnergy Services, LLC (ProEnergy) will construct and operate an electric generating station, the Long Leaf Generating Power Station, comprised of twelve (12) natural gas-fired simple cycle combustion turbines and ancillary equipment at a greenfield site in Angelina County. The Long Leaf Generating Power Station will operate when electric market conditions are favorable. The SIC code is 4911, electric services.

b. Describe all wastewater-generating processes at the facility.

Wastewater will be comprised of Reverse Osmosis (RO), Electrodeionization (EDI) reject, and decant water from an oil water separator. Please see Attachment 12 – Process Description Report & Discharge Characterization for more details.

[1] https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html

c. Provide a list of raw materials, major intermediates, and final products handled at the facility.

Materials List

Raw Materials	Intermediate Products	Final Products
Natural gas		Electricity
Water		

Attachment: Click to enter text.

d. Attach a facility map (drawn to scale) with the following information:

- Production areas, maintenance areas, materials-handling areas, waste-disposal areas, and water intake structures.
- The location of each unit of the WWTP including the location of wastewater collection sumps, impoundments, outfalls, and sampling points, if significantly different from outfall locations.

Attachment: #13

e. Is this a new permit application for an existing facility?

☐ Yes ☒ No

If **yes**, provide background discussion: Click to enter text.

f. Is/will the treatment facility/disposal site be located above the 100-year frequency flood level.

☒ Yes ☐ No

List source(s) used to determine 100-year frequency flood plain: FIRM Map Angelina County, Panel 150 of 675, Map Number 48005C0150E, Effective September 29, 2010.

If **no**, provide the elevation of the 100-year frequency flood plain and describe what protective measures are used/proposed to prevent flooding (including tail water and rainfall run-on controls) of the treatment facility and disposal area: Click to enter text.

Attachment: Click to enter text.

g. For **new** or **major amendment** permit applications, will any construction operations result in a discharge of fill material into a water in the state?

☐ Yes ☒ No ☐ N/A (renewal only)

h. If **yes** to Item 1.g, has the applicant applied for a USACE CWA Chapter 404 Dredge and Fill permit?

☐ Yes ☐ No

If **yes**, provide the permit number: Click to enter text.

If **no**, provide an approximate date of application submittal to the USACE: Click to enter text.

Item 2. Treatment System (Instructions, Page 40)

a. List any physical, chemical, or biological treatment process(es) used/proposed to treat wastewater at this facility. Include a description of each treatment process, starting with initial treatment and finishing with the outfall/point of disposal.

Raw water is treated by Reverse Osmosis (RO) which contains a pH adjustment system between the first and second passes. The permeate water is then sent to the Electrodeionization Unit (EDI). There is also Decant Water from an Oil Water Separator (OWS). The RO reject, EDI reject, and OWS decant are combined and sent to Outfall 001. See Complete Process Description Report & Discharge Characterization in Attachment 12.

b. Attach a flow schematic **with a water balance** showing all sources of water and wastewater flow into the facility, wastewater flow into and from each treatment unit, and wastewater flow to each outfall/point of disposal.

Attachment: #14

Item 3. Impoundments (Instructions, Page 40)

Does the facility use or plan to use any wastewater impoundments (e.g., lagoons or ponds?)

☐ Yes ☒ No

If **no**, proceed to Item 4. If **yes**, complete **Item 3.a** for **existing** impoundments and **Items 3.a - 3.e** for **new or proposed** impoundments. **NOTE:** See instructions, Pages 40-42, for additional information on the attachments required by Items 3.a – 3.e.

a. Complete the table with the following information for each existing, new, or proposed impoundment. Attach additional copies of the Impoundment Information table, if needed.

Use Designation: Indicate the use designation for each impoundment as Treatment (**T**), Disposal (**D**), Containment (**C**), or Evaporation (**E**).

Associated Outfall Number: Provide an outfall number if a discharge occurs or will occur.

Liner Type: Indicate the liner type as Compacted clay liner (**C**), In-situ clay liner (**I**), Synthetic/plastic/rubber liner (**S**), or Alternate liner (**A**). **NOTE:** See instructions for further detail on liner specifications. If an alternate liner (A) is selected, include an attachment that provides a description of the alternate liner and any additional technical information necessary for an evaluation.

Leak Detection System: If any leak detection systems are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no.

Groundwater Monitoring Wells and Data: If groundwater monitoring wells are in place/planned, enter **Y** for yes. Otherwise, enter **N** for no. Attach any existing groundwater monitoring data.

Dimensions: Provide the dimensions, freeboard, surface area, storage capacity of the impoundments, and the maximum depth (not including freeboard). For impoundments with irregular shapes, submit surface area instead of length and width.

Compliance with 40 CFR Part 257, Subpart D: If the impoundment is required to be in compliance with 40 CFR Part 257, Subpart D, enter **Y** for yes. Otherwise, enter **N** for no.

Date of Construction: Enter the date construction of the impoundment commenced (mm/dd/yy).

Impoundment Information

Parameter	**Pond #**	**Pond #**	**Pond #**	**Pond #**
Use Designation: (T) (D) (C) or (E)				
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

Attachment: Click to enter text.

The following information (**Items 3.b – 3.e**) is required only for **new or proposed** impoundments.

b. For new or proposed impoundments, attach any available information on the following items. If attached, check **yes** in the appropriate box. Otherwise, check **no** or **not yet designed**.

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

NOTE: Item b.3 is required if the bottom of the pond is not above the seasonal high-water table in the shallowest water-bearing zone.

Attachment: Click to enter text.

For TLAP applications: Items 3.c – 3.e are **not required**, continue to Item 4.

c. Attach a USGS map or a color copy of original quality and scale which accurately locates and identifies all known water supply wells and monitor wells within ½-mile of the impoundments.

Attachment: Click to enter text.

d. Attach copies of State Water Well Reports (e.g., driller's logs, completion data, etc.), and data on depths to groundwater for all known water supply wells including a description of how the depths to groundwater were obtained.

Attachment: Click to enter text.

e. Attach information pertaining to the groundwater, soils, geology, pond liner, etc. used to assess the potential for migration of wastes from the impoundments or the potential for contamination of groundwater or surface water.

Attachment: Click to enter text.

Item 4. Outfall/Disposal Method Information (Instructions, Page 42)

Complete the following tables to describe the location and wastewater discharge or disposal operations for each outfall for discharge, and for each point of disposal for TLAP operations.

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/0r numbered accordingly (i.e., page 6a, 6b, etc.) may be used to provide information on the additional outfalls.

For TLAP applications: Indicate the disposal method and each individual irrigation area **I**, evaporation pond **E**, or subsurface drainage system **S** by providing the appropriate letter designation for the disposal method followed by a numerical designation for each disposal area in the space provided for **Outfall** number (e.g. **E1** for evaporation pond 1, **I2** for irrigation area No. 2, etc.).

Outfall Longitude and Latitude

Outfall No.	Latitude (Decimal Degrees)	Longitude (Decimal Degrees)
001	31.412747	-94.662186

Outfall Location Description

Outfall No.	Location Description
001	Paper Mill Creek downstream of intermittent tributary located east.

Description of Sampling Point(s) (if different from Outfall location)

Outfall No.	Description of sampling point

Outfall Flow Information – Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001			0.32256	0.32256	04/01/2026
					(Q2/Q3 of 2026)

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	Y	N	Totalizer

Outfall Discharge – Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	Y	N	Y	1-12	30	12

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Reverse Osmosis Reject	0.27216	84
Electrodeionization Reject	0.03456	11
*Contact Stormwater	0.01584	5
*Contact stormwater will be inspected prior to be drained to Outfall 001.		
Noncontact stormwater is discharged through another Outfall and enters Paper Mill Creek downstream of Outfall 001.		

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Outfall No. Click to enter text.

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow

Attachment: Click to enter text.

Item 5. Blowdown and Once-Through Cooling Water Discharges (Instructions, Page 43)

a. Indicate if the facility currently or proposes to:

☐ Yes ☒ No Use cooling towers that discharge blowdown or other wastestreams

☐ Yes ☒ No Use boilers that discharge blowdown or other wastestreams

☐ Yes ☒ No Discharge once-through cooling water

NOTE: If the facility uses or plans to use cooling towers or once-through cooling water, Item 12 **is required**.

b. If **yes** to any of the above, attach an SDS with the following information for each chemical additive.

- Manufacturers Product Identification Number
- Product use (e.g., biocide, fungicide, corrosion inhibitor, etc.)
- Chemical composition including CASRN for each ingredient
- Classify product as non-persistent, persistent, or bioaccumulative
- Product or active ingredient half-life
- Frequency of product use (e.g., 2 hours/day once every two weeks)
- Product toxicity data specific to fish and aquatic invertebrate organisms
- Concentration of whole product or active ingredient, as appropriate, in wastestream.

In addition to each SDS, attach a summary of the above information for each specific wastestream and the associated chemical additives. Specify which outfalls are affected.

Attachment: Click to enter text.

c. Cooling Towers and Boilers

If the facility currently or proposes to use cooling towers or boilers that discharge blowdown or other wastestreams to the outfall(s), complete the following table.

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers			
Boilers			

Item 6. Stormwater Management (Instructions, Page 44)

Will any existing/proposed outfalls discharge stormwater associated with industrial activities, as defined at *40 CFR § 122.26(b)(14)*, commingled with any other wastestream?

☐ Yes ☒ No

If **yes**, briefly describe the industrial processes and activities that occur outdoors or in a manner which may result in exposure of the activities or materials to stormwater: Click to enter text.

Item 7. Domestic Sewage, Sewage Sludge, and Septage Management and Disposal (Instructions, Page 44)

Domestic Sewage - Waste and wastewater from humans or household operations that is discharged to a wastewater collection system or otherwise enters a treatment works.

a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.

☒ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.

☐ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.

☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.

☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.

☐ Facility is a POTW. Complete Worksheet 5.0.

☐ Domestic sewage is not generated on-site.

☐ Other (e.g., portable toilets), specify and Complete Item 7.b: Click to enter text.

b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
TBD	TBD

Item 8. Improvements or Compliance/Enforcement Requirements (Instructions, Page 45)

a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?

☐ Yes ☒ No

b. Has the permittee completed or planned for any improvements or construction projects?

☐ Yes ☒ No

c. If **yes** to either 8.a **or** 8.b, provide a brief summary of the requirements and a status update: Click to enter text.

Item 9. Toxicity Testing (Instructions, Page 45)

Have any biological tests for acute or chronic toxicity been made on any of the discharges or on a receiving water in relation to the discharge within the last three years?

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: Click to enter text.

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** Click to enter text.

Item 10. Off-Site/Third Party Wastes (Instructions, Page 45)

a. Does or will the facility receive wastes from off-site sources for treatment at the facility, disposal on-site via land application, or discharge via a permitted outfall?

☐ Yes ☒ No

If **yes**, provide responses to Items 10.b through 10.d below.

If **no**, proceed to Item 11.

b. Attach the following information to the application:

- List of wastes received (including volumes, characterization, and capability with on-site wastes).
- Identify the sources of wastes received (including the legal name and addresses of the generators).
- Description of the relationship of waste source(s) with the facility's activities.

Attachment: Click to enter text.

c. Is or will wastewater from another TCEQ, NPDES, or TPDES permitted facility commingled with this facility's wastewater after final treatment and prior to discharge via the final outfall/point of disposal?

☐ Yes ☐ No

If **yes**, provide the name, address, and TCEQ, NPDES, or TPDES permit number of the contributing facility and a copy of any agreements or contracts relating to this activity.

Attachment: Click to enter text.

d. Is this facility a POTW that accepts/will accept process wastewater from any SIU and has/is required to have an approved pretreatment program under the NPDES/TPDES program?

☐ Yes ☐ No

If **yes**, **Worksheet 6.0** of this application **is required**.

Item 11. Radioactive Materials (Instructions, Page 46)

a. Are/will radioactive materials be mined, used, stored, or processed at this facility?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L.

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

b. Does the applicant or anyone at the facility have any knowledge or reason to believe that radioactive materials may be present in the discharge, including naturally occurring radioactive materials in the source waters or on the facility property?

☐ Yes ☒ No

If **yes**, use the following table to provide the results of one analysis of the effluent for all radioactive materials that may be present. Provide results in pCi/L. Do not include information provided in response to Item 11.a.

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

a. Does the facility use or propose to use water for cooling purposes?

☐ Yes ☒ No

If **no**, stop here. If **yes**, complete Items 12.b thru 12.f.

b. Cooling water is/will be obtained from a groundwater source (e.g., on-site well).

☐ Yes ☐ No

If **yes**, stop here. If **no**, continue.

c. Cooling Water Supplier

1. Provide the name of the owner(s) and operator(s) for the CWIS that supplies or will supply water for cooling purposes to the facility.

Cooling Water Intake Structure(s) Owner(s) and Operator(s)

CWIS ID				
Owner				
Operator				

2. Cooling water is/will be obtained from a Public Water Supplier (PWS)

   ☐ Yes ☐ No

   If **no**, continue. If **yes**, provide the PWS Registration No. and stop here: PWS No. Click to enter text.

3. Cooling water is/will be obtained from a reclaimed water source?

   ☐ Yes ☐ No

   If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here: Click to enter text.

4. Cooling water is/will be obtained from an Independent Supplier

   ☐ Yes ☐ No

   If **no**, proceed to Item 12.d. If **yes**, provide the actual intake flow of the Independent Supplier's CWIS that is/will be used to provide water for cooling purposes and proceed: Click to enter text.

d. 316(b) General Criteria

1. The CWIS(s) used to provide water for cooling purposes to the facility has or will have a cumulative design intake flow of 2 MGD or greater.

   ☐ Yes ☐ No

2. At least 25% of the total water withdrawn by the CWIS is/will be used at the facility exclusively for cooling purposes on an annual average basis.

   ☐ Yes ☐ No

3. The CWIS(s) withdraw(s)/propose(s) to withdraw water for cooling purposes from surface waters that meet the definition of Waters of the United States in *40 CFR § 122.2*.

   ☐ Yes ☐ No

   If **no**, provide an explanation of how the waterbody does not meet the definition of Waters of the United States in *40 CFR § 122.2*: Click to enter text.

If **yes** to all three questions in Item 12.d, the facility **meets** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA. Proceed to **Item 12.f**.

If **no** to any of the questions in Item 12.d, the facility **does not meet** the minimum criteria to be subject to the full requirements of Section 316(b) of the CWA; however, a determination is required based upon BPJ. Proceed to **Item 12.e**.

e. The facility does not meet the minimum requirements to be subject to the fill requirements of Section 316(b) **and uses**/proposes **to use cooling towers**.

   ☐ Yes ☐ No

   If **yes**, stop here. If **no**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ.

f. Oil and Gas Exploration and Production

1. The facility is subject to requirements at 40 CFR Part 435, Subparts A or D.

☐ Yes ☐ No

If **yes**, continue. If **no**, skip to Item 12.g.

2. The facility is an existing facility as defined at 40 CFR § 125.92(k) or a new unit at an existing facility as defined at 40 CFR § 125.92(u).

☐ Yes ☐ No

If **yes**, complete Worksheet 11.0, Items 1.a, 1.b.1-3 and 6, 2.b.1, and 3.a to allow for a determination based upon BPJ. If **no**, skip to Item 12.g.3.

g. Compliance Phase and Track Selection

1. Phase I – New facility subject to 40 CFR Part 125, Subpart I

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection, attach the requested information, and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – AIF greater than 2 MGD, but less than 10 MGD

- Attach information required by *40 CFR §§ 125.86(b)(2)-(4)*.

☐ Track I – AIF greater than 10 MGD

- Attach information required by *40 CFR § 125.86(b)*.

☐ Track II

- Attach information required by *40 CFR § 125.86(c)*.

Attachment: Click to enter text.

2. Phase II – Existing facility subject to 40 CFR Part 125, Subpart J

☐ Yes ☐ No

If **yes**, complete Worksheets 11.0 through 11.3, as applicable.

3. Phase III – New facility subject to 40 CFR Part 125, Subpart N

☐ Yes ☐ No

If **yes**, check the box next to the compliance track selection and provide the requested information.

☐ Track I – Fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Items 2 and 3, and Worksheet 11.2.

☐ Track I – Not a fixed facility

- Attach information required by 40 CFR § 125.136(b) and complete Worksheet 11.0, Item 2 (except CWIS latitude/longitude under Item 2.a).

☐ Track II – Fixed facility

- Attach information required by 40 CFR § 125.136(c) and complete Worksheet 11.0, Items 2 and 3.

Attachment: Click to enter text.

Item 13. Permit Change Requests (Instructions, Page 48)

This item is only applicable to existing permitted facilities.

a. Is the facility requesting a **major amendment** of an existing permit?

☐ Yes ☐ No

If **yes**, list each request individually and provide the following information: 1) detailed information regarding the scope of each request and 2) a justification for each request. Attach any supplemental information or additional data to support each request.

Click to enter text.

b. Is the facility requesting any **minor amendments** to the permit?

☐ Yes ☐ No

If **yes**, list and describe each change individually.

Click to enter text.

c. Is the facility requesting any **minor modifications** to the permit?

☐ Yes ☐ No

If **yes**, list and describe each change individually.

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

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: N/A. No labs reports included, new facility.

Title: Click to enter text.

Signature: _____

Date: _____

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

This worksheet **is required** for all applications for TPDES permits for discharges of wastewaters subject to EPA categorical effluent limitation guidelines (ELGs).

Item 1. Categorical Industries (Instructions, Page 53)

Is this facility subject to any 40 CFR categorical ELGs outlined on page 53 of the instructions?

☐ Yes ☒ No

If **no**, this worksheet is not required. If **yes**, provide the appropriate information below.

40 CFR Effluent Guideline

Industry	40 CFR Part

Item 2. Production/Process Data (Instructions, Page 54)

NOTE: For all TPDES permit applications requesting individual permit coverage for discharges of oil and gas exploration and production wastewater (discharges into or adjacent to water in the state, falling under the Oil and Gas Extraction Effluent Guidelines – 40 CFR Part 435), see Worksheet 12.0, Item 2 instead.

a. Production Data

Provide appropriate data for effluent guidelines with production-based effluent limitations.

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units

b. Organic Chemicals, Plastics, and Synthetic Fibers Manufacturing Data (40 CFR Part 414)

Provide each applicable subpart and the percent of total production. Provide data for metal-bearing and cyanide-bearing wastestreams, as required by *40 CFR Part 414, Appendices A and B*.

Percentage of Total Production

Subcategory	Percent of Total Production	Appendix A and B - Metals	Appendix A - Cyanide

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

Click to enter text.

Item 3. Process/Non-Process Wastewater Flows (Instructions, Page 54)

Provide a breakdown of wastewater flow(s) generated by the facility, including both process and non-process wastewater flow(s). Specify which wastewater flows are to be authorized for discharge under this permit and the disposal practices for wastewater flows, excluding domestic, which are not to be authorized for discharge under this permit.

Click to enter text.

Item 4. New Source Determination (Instructions, Page 54)

Provide a list of all wastewater-generating processes subject to EPA categorical ELGs, identify the appropriate guideline Part and Subpart, and provide the date the process/construction commenced.

Wastewater Generating Processes Subject to Effluent Guidelines

Process	EPA Guideline Part	EPA Guideline Subpart	Date Process/ Construction Commenced

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: POLLUTANT ANALYSIS

Worksheet 2.0 **is required** for all applications submitted for a TPDES permit. Worksheet 2.0 is not required for applications for a permit to dispose of all wastewater by land disposal or for discharges solely of stormwater associated with industrial activities.

Item 1. General Testing Requirements (Instructions, Page 55)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): This is a new facility. Sampling cannot be done until facility is operational.

b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** Click to enter text.

Item 2. Specific Testing Requirements (Instructions, Page 56)

Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** Click to enter text.

TABLE 1 and TABLE 2 (Instructions, Page 58)

Completion of Tables 1 and 2 is required for all external outfalls for all TPDES permit applications.

Table 1 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (mg/L)**	**Sample 2 (mg/L)**	**Sample 3 (mg/L)**	**Sample 4 (mg/L)**
BOD (5-day)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO3)				
Temperature (°F)				
pH (standard units)				

Table 2 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

TABLE 3 (Instructions, Page 58)

Completion of Table 3 **is required** for all **external outfalls** which discharge process wastewater.

Partial completion of Table 3 **is required** for all **external outfalls** which discharge non-process wastewater and stormwater associated with industrial activities commingled with other wastestreams (see instructions for additional guidance).

Table 3 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (µg/L)***	**Sample 2 (µg/L)***	**Sample 3 (µg/L)***	**Sample 4 (µg/L)***	**MAL (µg/L)***
Acrylonitrile					50
Anthracene					10
Benzene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10
Chloroform					10
Chrysene					5
m-Cresol [3-Methylphenol]					10
o-Cresol [2-Methylphenol]					10
p-Cresol [4-Methylphenol]					10
1,2-Dibromoethane					10
m-Dichlorobenzene [1,3-Dichlorobenzene]					10
o-Dichlorobenzene [1,2-Dichlorobenzene]					10
p-Dichlorobenzene [1,4-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
1,2-Dichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
2,4,5-Trichlorophenol					50
TTHM (Total trihalomethanes)					10
Vinyl chloride					10

(*) Indicate units if different from µg/L.

(**) Total of detects for PCB-1242, PCB-1254, PCB-1221, PCB-1232, PCB-1248, PCB-1260, and PCB-1016. If all non-detects, enter the highest non-detect preceded by a "<".

TABLE 4 (Instructions, Pages 58-59)

Partial completion of Table 4 **is required** for each **external outfall** based on the conditions below.

a. **Tributyltin**

Is this facility an industrial/commercial facility which currently or proposes to directly dispose of wastewater from the types of operations listed below or a domestic facility which currently or proposes to receive wastewater from the types of industrial/commercial operations listed below?

☐ Yes ☒ No

If **yes**, check the box next to each of the following criteria which apply and provide the appropriate testing results in Table 4 below (check all that apply).

☐ Manufacturers and formulators of tributyltin or related compounds.

☐ Painting of ships, boats and marine structures.

☐ Ship and boat building and repairing.

☐ Ship and boat cleaning, salvage, wrecking and scaling.

☐ Operation and maintenance of marine cargo handling facilities and marinas.

☐ Facilities engaged in wood preserving.

☐ Any other industrial/commercial facility for which tributyltin is known to be present, or for which there is any reason to believe that tributyltin may be present in the effluent.

b. **Enterococci (discharge to saltwater)**

This facility discharges/proposes to discharge directly into saltwater receiving waters **and** Enterococci bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

c. E. coli (discharge to freshwater)

This facility discharges/proposes to discharge directly into freshwater receiving waters **and** *E. coli* bacteria are expected to be present in the discharge based on facility processes.

☐ Yes ☒ No

Domestic wastewater is/will be discharged.

☐ Yes ☒ No

If **yes to either** question, provide the appropriate testing results in Table 4 below.

Table 4 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
Tributyltin (µg/L)					0.010
Enterococci (cfu or MPN/100 mL)					N/A
E. coli (cfu or MPN/100 mL)					N/A

TABLE 5 (Instructions, Page 59)

Completion of Table 5 **is required** for all **external outfalls** which discharge process wastewater from a facility which manufactures or formulates pesticides or herbicides or other wastewaters which may contain pesticides or herbicides.

If this facility does not/will not manufacture or formulate pesticides or herbicides and does not/will not discharge other wastewaters that may contain pesticides or herbicides, check N/A.

☒ N/A

Table 5 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Aldrin					0.01
Carbaryl					5
Chlordane					0.2
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Endosulfan I (*alpha*)					0.01
Endosulfan II (*beta*)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane (*alpha*)					0.05
Hexachlorocyclohexane (*beta*)					0.05
Hexachlorocyclohexane (*gamma*) [Lindane]					0.05
Hexachlorophene					10
Malathion					0.1
Methoxychlor					2.0
Mirex					0.02
Parathion (ethyl)					0.1
Toxaphene					0.3
2,4,5-TP [Silvex]					0.3

* Indicate units if different from µg/L.

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all **external outfalls**.

Table 6 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutants	**Believed Present**	**Believed Absent**	**Sample 1 (mg/L)**	**Sample 2 (mg/L)**	**Sample 3 (mg/L)**	**Sample 4 (mg/L)**	**MAL (µg/L)***
Bromide	☐	☐					400
Color (PCU)	☐	☐					—
Nitrate-Nitrite (as N)	☐	☐					—
Sulfide (as S)	☐	☐					—
Sulfite (as SO3)	☐	☐					—
Surfactants	☐	☐					—
Boron, total	☐	☐					20
Cobalt, total	☐	☐					0.3
Iron, total	☐	☐					7
Magnesium, total	☐	☐					20
Manganese, total	☐	☐					0.5
Molybdenum, total	☐	☐					1
Tin, total	☐	☐					5
Titanium, total	☐	☐					30

TABLE 7 (Instructions, Page 60)

Check the box next to any of the industrial categories applicable to this facility. If no categories are applicable, check N/A. If GC/MS testing is required, check the box provided to confirm the testing results for the appropriate parameters are provided with the application.

☒ N/A

Table 7 for Applicable Industrial Categories

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/ Neutrals Table 10	Pesticides Table 11
☐ Adhesives and Sealants		☐ Yes	☐ Yes	☐ Yes	No
☐ Aluminum Forming	467	☐ Yes	☐ Yes	☐ Yes	No
☐ Auto and Other Laundries		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Battery Manufacturing	461	☐ Yes	No	☐ Yes	No
☐ Coal Mining	434	No	No	No	No
☐ Coil Coating	465	☐ Yes	☐ Yes	☐ Yes	No
☐ Copper Forming	468	☐ Yes	☐ Yes	☐ Yes	No
☐ Electric and Electronic Components	469	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Electroplating	413	☐ Yes	☐ Yes	☐ Yes	No
☐ Explosives Manufacturing	457	No	☐ Yes	☐ Yes	No
☐ Foundries		☐ Yes	☐ Yes	☐ Yes	No
☐ Gum and Wood Chemicals - Subparts A,B,C,E	454	☐ Yes	☐ Yes	No	No
☐ Gum and Wood Chemicals - Subparts D,F	454	☐ Yes	☐ Yes	☐ Yes	No
☐ Inorganic Chemicals Manufacturing	415	☐ Yes	☐ Yes	☐ Yes	No
☐ Iron and Steel Manufacturing	420	☐ Yes	☐ Yes	☐ Yes	No
☐ Leather Tanning and Finishing	425	☐ Yes	☐ Yes	☐ Yes	No
☐ Mechanical Products Manufacturing		☐ Yes	☐ Yes	☐ Yes	No
☐ Nonferrous Metals Manufacturing	421,471	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	☐ Yes	☐ Yes	☐ Yes	No
☐ Ore Mining - Subpart B	440	No	☐ Yes	No	No
☐ Organic Chemicals Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Paint and Ink Formulation	446,447	☐ Yes	☐ Yes	☐ Yes	No
☐ Pesticides	455	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Petroleum Refining	419	☐ Yes	No	No	No
☐ Pharmaceutical Preparations	439	☐ Yes	☐ Yes	☐ Yes	No
☐ Photographic Equipment and Supplies	459	☐ Yes	☐ Yes	☐ Yes	No
☐ Plastic and Synthetic Materials Manufacturing	414	☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Plastic Processing	463	☐ Yes	No	No	No
☐ Porcelain Enameling	466	No	No	No	No
☐ Printing and Publishing		☐ Yes	☐ Yes	☐ Yes	☐ Yes
☐ Pulp and Paperboard Mills - Subpart C	430	☐ *	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subparts F, K	430	☐ *	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	☐ Yes	☐ Yes	☐ *	☐ *
☐ Pulp and Paperboard Mills - Subparts I, J, L	430	☐ Yes	☐ Yes	☐ *	☐ Yes
☐ Pulp and Paperboard Mills - Subpart E	430	☐ Yes	☐ Yes	☐ Yes	☐ *
☐ Rubber Processing	428	☐ Yes	☐ Yes	☐ Yes	No
☐ Soap and Detergent Manufacturing	417	☐ Yes	☐ Yes	☐ Yes	No
☐ Steam Electric Power Plants	423	☐ Yes	☐ Yes	No	No
☐ Textile Mills (Not Subpart C)	410	☐ Yes	☐ Yes	☐ Yes	No
☐ Timber Products Processing	429	☐ Yes	☐ Yes	☐ Yes	☐ Yes

* Test if believed present.

TABLES 8, 9, 10, and 11 (Instructions, Page 60)

Completion of Tables 8, 9, 10, and 11 **is required** as specified in Table 7 for all **external outfalls** that contain process wastewater.

Completion of Tables 8, 9, 10, and 11 **may be required** for types of industry not specified in Table 7 for specific parameters that are believed to be present in the wastewater.

Table 8 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (µg/L)***	**Sample 2 (µg/L)***	**Sample 3 (µg/L)***	**Sample 4 (µg/L)***	**MAL (µg/L)**
Acrolein					50
Acrylonitrile					50
Benzene					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane					10
Chloroethane					50
2-Chloroethylvinyl ether					10
Chloroform					10
Dichlorobromomethane [Bromodichloromethane]					10
1,1-Dichloroethane					10
1,2-Dichloroethane					10
1,1-Dichloroethylene [1,1-Dichloroethene]					10
1,2-Dichloropropane					10
1,3-Dichloropropylene [1,3-Dichloropropene]					10
Ethylbenzene					10
Methyl bromide [Bromomethane]					50
Methyl chloride [Chloromethane]					50
Methylene chloride [Dichloromethane]					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 9 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
2-Chlorophenol					10
2,4-Dichlorophenol					10
2,4-Dimethylphenol					10
4,6-Dinitro-o-cresol					50
2,4-Dinitrophenol					50
2-Nitrophenol					20
4-Nitrophenol					50
p-Chloro-m-cresol					10
Pentachlorophenol					5
Phenol					10
2,4,6-Trichlorophenol					10

* Indicate units if different from µg/L.

Table 10 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Acenaphthene					10
Acenaphthylene					10
Anthracene					10
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

Table 11 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

Attachment: Click to enter text.

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 **is required** for **external outfalls**, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5

☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1

☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4

☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (Ronnel) CASRN 299-84-3

☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4

☐ hexachlorophene (HCP) CASRN 70-30-4

☒ None of the above

Description: Click to enter text.

Does the applicant or anyone at the facility know or have any reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or any congeners of TCDD may be present in the effluent proposed for discharge?

☐ Yes ☒ No

Description: Click to enter text.

If **yes** to either Items a **or** b, complete Table 12 as instructed.

Table 12 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

TABLE 13 (HAZARDOUS SUBSTANCES)

Complete Table 13 **is required** for all **external outfalls** as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☒ No

If **yes** to either Items a **or** b, complete Table 13 as instructed.

Table 13 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet **is required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- ☐ Irrigation
- ☐ Evaporation
- ☐ Evapotranspiration beds
- ☐ Drip irrigation system
- ☐ Subsurface application
- ☐ Subsurface soils absorption
- ☐ Surface application
- ☐ Other, specify: Click to enter text.

Item 2. Land Application Area (Instructions, Page 69)

Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)

Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

Attachment:

Item 4. Well and Map Information (Instructions, Page 70)

a. Check each box to confirm the required information is shown and labeled on the attached USGS map:

☐ The exact boundaries of the land application area

☐ On-site buildings

☐ Waste-disposal or treatment facilities

☐ Effluent storage and tailwater control facilities

☐ Buffer zones

☐ All surface waters in the state onsite and within 500 feet of the property boundaries

☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries

☐ All springs and seeps onsite and within 500 feet of the property boundaries

Attachment: Click to enter text.

b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

Well and Map Information Table

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice

Attachment: Click to enter text.

c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes ☐ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

Attachment: Click to enter text.

d. Attach a short groundwater technical report using *30 TAC § 309.20(a)(4)* as guidance.
Attachment:

Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

a. ☐ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.

b. ☐ Breakdown of acreage and percent of total acreage for each soil type.

c. ☐ Copies of laboratory soil analyses. **Attachment:** Click to enter text.

Item 6. Effluent Monitoring Data (Instructions, Page 72)

a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

Table 14 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)

Date (mo/yr)	Daily Avg Flow (gpd)	BOD5 (mg/L)	TSS (mg/L)	Nitrogen (mg/L)	Conductivity (mmhos/cm)	Total acres irrigated	Hydraulic Application rate (acre-feet/month)

b. Use this table to provide effluent analysis for parameters regulated in the current permit which are not listed in Table 14.

Additional Parameter Effluent Analysis

Date (mo/yr)							

c. Attach an explanation of all persistent excursions to permitted parameters and corrective actions taken. **Attachment:** Click to enter text.

Item 7. Pollutant Analysis (Instructions, Page 72)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): Click to enter text.

b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Complete Tables 15 and 16.

Table 15 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (mg/L)**	**Sample 2 (mg/L)**	**Sample 3 (mg/L)**	**Sample 4 (mg/L)**
BOD (5-day)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO3)				
Temperature (˚F)				
pH (standard units)				

Table 16 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (µg/L)**	**Sample 2 (µg/L)**	**Sample 3 (µg/L)**	**Sample 4 (µg/L)**	**MAL (µg/L)**
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Beryllium, total					0.5
Cadmium, total					1
Chromium, total					3
Chromium, hexavalent					3
Chromium, trivalent					N/A
Copper, total					2
Cyanide, available					2/10
Lead, total					0.5
Mercury, total					0.005/0.0005
Nickel, total					2
Selenium, total					5
Silver, total					0.5
Thallium, total					0.5
Zinc, total					5.0

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

Item 1. Edwards Aquifer (Instructions, Page 73)

a. Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b **and** 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

Attachment: Click to enter text.

Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): Click to enter text.

Design application rate (acre-ft/acre/yr): Click to enter text.

Design application frequency (hours/day): Click to enter text.

Design application frequency (days/week): Click to enter text.

Design total nitrogen loading rate (lbs nitrogen/acre/year): Click to enter text.

Average slope of the application area (percent): Click to enter text.

Maximum slope of the application area (percent): Click to enter text.

Irrigation efficiency (percent): Click to enter text.

Effluent conductivity (mmhos/cm): Click to enter text.

Soil conductivity (mmhos/cm): Click to enter text.

Curve number: Click to enter text.

Describe the application method and equipment: Click to enter text.

b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** Click to enter text.

Item 3. Evaporation Ponds (Instructions, Page 74)

a. Daily average effluent flow into ponds: Click to enter text. gallons per day

b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** Click to enter text.

Item 4. Evapotranspiration Beds (Instructions, Page 74)

a. Provide the following information on the evapotranspiration beds:

Number of beds: Click to enter text.

Area of bed(s) (acres): Click to enter text.

Depth of bed(s) (feet): Click to enter text.

Void ratio of soil in the beds: Click to enter text.

Storage volume within the beds (include units): Click to enter text.

Description of any lining to protect groundwater: Click to enter text.

b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** Click to enter text.

c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** Click to enter text.

Item 5. Overland Flow (Instructions, Page 74)

a. Provide the following information on the overland flow:

Area used for application (acres): Click to enter text.

Slopes for application area (percent): Click to enter text.

Design application rate (gpm/foot of slope width): Click to enter text.

Slope length (feet): Click to enter text.

Design BOD5 loading rate (lbs BOD5/acre/day): Click to enter text.

Design application frequency (hours/day): Click to enter text.

Design application frequency (days/week): Click to enter text.

b. Attach a separate engineering report with the method of application and design requirements according to *30 TAC § 217.212*. **Attachment:** Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.2: SUBSURFACE IRRIGATION (NON-DRIP)

This worksheet **is required** for all applications for a permit to disposal of wastewater by subsurface land application.

☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 75)

a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

☐ Yes ☐ No

b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

☐ Yes ☐ No

If **yes** to Item 1.a **or** 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Subsurface Application (Instructions, Page 75)

a. Check the box next to the type of subsurface land disposal system requested:

☐ Conventional drainfield, beds, or trenches

☐ Low pressure dosing

☐ Other: Click to enter text.

b. Provide the following information on the irrigation operations:

Application area (acres): Click to enter text.

Area of drainfield (square feet): Click to enter text.

Application rate (gal/square ft/day): Click to enter text.

Depth to groundwater (feet): Click to enter text.

Area of trench (square feet): Click to enter text.

Dosing duration per area (hours): Click to enter text.

Number of beds: Click to enter text.

Dosing amount per area (inches/day): Click to enter text.

Soil infiltration rate (inches/hour): Click to enter text.

Storage volume (gallons): Click to enter text.

Area of bed(s) (square feet): Click to enter text.

Soil classification: Click to enter text.

c. Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation. **Attachment:** Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL SYSTEMS

This worksheet **is required** for all applications for a permit to dispose of wastewater using a subsurface area drip dispersal system (SADDS).

☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

Item 1. Edwards Aquifer (Instructions, Page 76)

a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

☐ Yes ☐ No

b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

☐ Yes ☐ No

If **yes** to Item 1.a **or** 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

Item 2. Administrative Information (Instructions, Page 76)

a. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility: Click to enter text.

b. The owner of the land where the WWTF is/will be located is the same as the owner of the WWTF.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the WWTF is/will be located: Click to enter text.

c. Provide the legal name of the owner of the SADDS: Click to enter text.

d. The owner of the SADDS is the same as the owner of the WWTF or the site where the WWTF is/will be located.

☐ Yes ☐ No

If **no**, identify the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.c: Click to enter text.

e. Provide the legal name of the owner of the land where the SADDS is located: Click to enter text.

f. The owner of the land where the SADDS is/will be located is the same as owner of the WWTF, the site where the WWTF is located, or the owner of the SADDS.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.e: Click to enter text.

Item 3. SADDS (Instructions, Page 77)

a. Check the box next to the type SADDS requested by this application:

☐ Subsurface drip/trickle irrigation

☐ Surface drip irrigation

☐ Other: Click to enter text.

b. Attach a description of the SADDS proposed/used by the facility (see instructions for guidance). **Attachment:** Click to enter text.

c. Provide the following information on the SADDS:

Application area (acres): Click to enter text.

Soil infiltration rate (inches/hour): Click to enter text.

Average slope of the application area: Click to enter text.

Maximum slope of the application area: Click to enter text.

Storage volume (gallons): Click to enter text.

Major soil series: Click to enter text.

Depth to groundwater (feet): Click to enter text.

Effluent conductivity (mmhos/cm): Click to enter text.

d. The facility is/will be located west of the boundary shown in *30 TAC § 222.83* **and** using a vegetative cover of non-native grasses over seeded with cool-season grasses.

☐ Yes ☐ No

If **yes**, the facility may propose a hydraulic application rate up to, but not to exceed, 0.1 gal/ft^2/day.

e. The facility is/will be located east of the boundary shown in *30 TAC § 222.83* **or** is the facility proposing any crop other than non-native grasses.

☐ Yes ☐ No

If **yes**, the facility must use the formula in *30 TAC § 222.83* to calculate the maximum hydraulic application rate.

f. The facility has or plans to submit an alternative method to calculate the hydraulic application rate for approval by the ED.

☐ Yes ☐ No

If **yes**, provide the following information on the hydraulic application rates:

- Hydraulic application rate (gal/square foot/day): Click to enter text.
- Nitrogen application rate (gal/square foot/day): Click to enter text.

g. Provide the following dosing information:

Number of doses per day: Click to enter text.

Dosing duration per area (hours): Click to enter text.

Rest period between doses (hours): Click to enter text.

Dosing amount per area (inches/day): Click to enter text.

Number of zones: Click to enter text.

h. The system is/will be a surface drip irrigation system using existing native vegetation as a crop?

☐ Yes ☐ No

If **yes**, attach the following information:

- A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.

  Attachment: Click to enter text.

- Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.

  Attachment: Click to enter text.

Item 4. Required Plans (Instructions, Page 78)

a. Attach a Soil Evaluation with all information required in *30 TAC § 222.73*.

Attachment: Click to enter text.

b. Attach a Site Preparation Plan with all information required in *30 TAC § 222.75*.

Attachment: Click to enter text.

c. Attach a Recharge Feature Plan with all information required in *30 TAC § 222.79*.

Attachment: Click to enter text.

d. Provide soil sampling and testing with all information required in *30 TAC § 222.157*.

Attachment: Click to enter text.

Item 5. Flood and Run-On Protection (Instructions, Page 79)

a. Is the existing/proposed SADDS located within the 100-year frequency flood level?

☐ Yes ☐ No

Source: Click to enter text.

If **yes**, describe how the site will be protected from inundation: Click to enter text.

b. Is the existing/proposed SADDS within a designated floodway?

☐ Yes ☐ No

If **yes**, attach either the FEMA flood map or alternate information used to make this determination. **Attachment:** Click to enter text.

Item 6. Surface Waters in The State (Instructions, Page 79)

a. Attach a buffer map which shows the appropriate buffers on surface waters in the state, water wells, and springs/seeps. **Attachment:** Click to enter text.

b. The facility has or plans to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If **yes**, attach the additional information required in *30 TAC § 222.81(c)*. **Attachment:** Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.0: RECEIVING WATERS

This worksheet **is required** for all TPDES permit applications.

Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: Click to enter text.
2. The distance and direction from the outfall to the drinking water supply intake: Click to enter text.

b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

a. Width of the receiving water at the outfall: Click to enter text. feet

b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: Click to enter text.

c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: Click to enter text.

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☐ Yes ☒ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Paper Mill Creek

b. Check the appropriate description of the immediate receiving waters:

☐ Lake or Pond

- Surface area (acres): Click to enter text.
- Average depth of the entire water body (feet): Click to enter text.
- Average depth of water body within a 500-foot radius of the discharge point (feet): Click to enter text.

☐ Man-Made Channel or Ditch

☒ Stream or Creek

☐ Freshwater Swamp or Marsh

☐ Tidal Stream, Bayou, or Marsh

☐ Open Bay

☐ Other, specify:

If **Man-Made Channel or Ditch** or **Stream or Creek** were selected above, provide responses to Items 4.c – 4.g below:

c. For **existing discharges**, check the description below that best characterizes the area **upstream** of the discharge.

For **new discharges**, check the description below that best characterizes the area **downstream** of the discharge.

☐ Intermittent (dry for at least one week during most years)

☐ Intermittent with Perennial Pools (enduring pools containing habitat to maintain aquatic life uses)

☒ Perennial (normally flowing)

Check the source(s) of the information used to characterize the area upstream (existing discharge) or downstream (new discharge):

☐ USGS flow records

☒ personal observation

☐ historical observation by adjacent landowner(s)

☐ other, specify: Click to enter text.

d. List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point: None

e. The receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.).

☐ Yes ☒ No

If **yes**, describe how: Click to enter text.

f. General observations of the water body during normal dry weather conditions: Water quality vary from turbid to clear.

Date and time of observation: 12/12/2023

g. The water body was influenced by stormwater runoff during observations.

☐ Yes ☒ No

If **yes**, describe how: Click to enter text.

Item 5. General Characteristics of Water Body (Instructions, Page 81)

a. Is the receiving water upstream of the existing discharge or proposed discharge site influenced by any of the following (check all that apply):

☐ oil field activities
☒ agricultural runoff
☐ upstream discharges
☐ urban runoff
☐ septic tanks
☐ other, specify: Click to enter text.

b. Uses of water body observed or evidence of such uses (check all that apply):

☐ livestock watering
☐ non-contact recreation
☐ domestic water supply
☐ contact recreation
☒ fishing
☐ industrial water supply
☐ irrigation withdrawal
☐ navigation
☐ picnic/park activities
☒ other, specify: Drainage, drinking

c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional

☒ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ **Common Setting:** not offensive, developed but uncluttered; water may be colored or turbid

☐ **Offensive:** stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 4.1: WATERBODY PHYSICAL CHARACTERISTICS

The following information **is required** for new applications, EPA-designated Major facilities, and major amendment applications requesting to add an outfall if the receiving waters are perennial or intermittent with perennial pools (including impoundments) for a TDPES permit.

Complete the transects downstream of the existing or proposed discharges.

Item 1. Data Collection (Instructions, Page 82)

a. Date of study: 12/12/2023 Time of study: 1:06 PM – 3:03 PM

Waterbody name: Paper Mill Creek

General location: West, northwest and north from the facility

b. Type of stream upstream of an existing discharge or downstream of a proposed discharge (check only one):

☒ perennial ☐ intermittent with perennial pools ☐ impoundment

c. No. of defined stream bends:

Well: 4 Moderately: 3 Poorly: 8

d. No. of riffles: 3

e. Evidence of flow fluctuations (check one):

☐ Minor ☒ Moderate ☐ Severe

f. Provide the observed stream uses and where there is evidence of channel obstructions/modifications: None

g. Complete the following table with information regarding the transect measurements.

Stream Transect Data

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**					
1 (31.41132714, -94.6630094)	Pool	30	0.3 (Left)	2 (Center)	2 (Right)			
2 (31.41144283, -94.66238482)	Pool	40	0.5 (Left)	0 (Center)	0.3 (Right)			
3 (31.41223375, -94.662555685)	Pool	30	0.416667 (Left)	2 (Center)	0.416667 (Right)			
4 (31.4127108, -94.66240582)	Pool	30	0.5 (Left)	2.1666667 (Center)	0.5 (Right)			
5 (31.412878, -94.662075)	Riffle	6	2 (Left)	3 (Center)	2 (Right)			
6	Riffle	5	0.083333 (Left)	0.25 (Center)	0.083333 (Right)			

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**					
(31.41325906, -94.66285342)								
7 (31.413194, -94.663535)	Glide	10	0.25 (Left)	0.25 (Center)	0.16667 (Right)			
8 (31.412561, -94.663328)	Riffle	5	0.083333 (Left)	0.25 (Center)	0.083333 (Right)			
9 (31.412561, -94.663611)	Pool	10	0.25 (Left)	3 (Center)	2 (Right)			

* riffle, run, glide, or pool
** channel bed to water surface

Item 2. Summarize Measurements (Instructions, Page 83)

Provide the following information regarding the transect measurements:

Streambed slope of entire reach (from USGS map in ft. /ft.): 0.00525

Approximate drainage area above the most downstream transect from USGS map or county highway map (square miles): 0.47

Length of stream evaluated (ft): 1,960

Number of lateral transects made: 9

Average stream width (ft): 18.444

Average stream depth (ft): 1.4352

Average stream velocity (ft/sec): 0.16421

Instantaneous stream flow (ft^3/sec): 4.35

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

Flow fluctuations (i.e., minor, moderate, or severe): Moderate

Size of pools (i.e., large, small, moderate, or none): Medium

Maximum pool depth (ft): 3

Total number of stream bends: 15

Number well defined: 4

Number moderately defined: 3

Number poorly defined: 8

Total number of riffles: 3

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 5.0: SEWAGE SLUDGE MANAGEMENT AND DISPOSAL

The following information **is required** for all TPDES permit applications that meet the conditions as outlined in Technical Report 1.0, Item 7.

Item 1. Sewage Sludge Solids Management Plan (Instructions, Page 84)

a. Is this a new permit application or an amendment permit application?

☐ Yes ☐ No

b. Does or will the facility discharge in the Lake Houston watershed?

☐ Yes ☐ No

If **yes** to either Item 1.a **or** 1.b, attach a solids management plan. **Attachment:** Click to enter text.

Item 2. Sewage Sludge Management and Disposal (Instructions, Page 84)

a. Check the box next to the sludge disposal method(s) authorized under the facility's existing permit (check all that apply).

☐ Permitted landfill

☐ Marketing and distribution by the permittee, attach Form TCEQ-00551

☐ Registered land application site, attach Form TCEQ-00565

☐ Processed by the permittee, attach Form TCEQ-00744

☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744

☐ Transported to another WWTP

☐ Beneficial land application, attach Form TCEQ-10451

☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach the required TCEQ forms as directed. Failure to submit the required TCEQ form will result in delays in processing the application

Attachment: Click to enter text.

b. Provide the following information for each disposal site:

Disposal site name: Click to enter text.

TCEQ Permit/Registration Number: Click to enter text.

County where disposal site is located: Click to enter text.

c. Method of sewage sludge transportation:

☐ truck ☐ train ☐ pipe ☐ other: Click to enter text.

TCEQ Hauler Registration Number: Click to enter text.

d. Sludge is transported as a:

☐ liquid ☐ semi-liquid ☐ semi-solid ☐ solid

e. Purpose of land application: ☐ reclamation ☐ soil conditioning ☐ N/A

f. If sewage sludge is transported to another WWTP for treatment, attach a written statement or copy of contractual agreements confirming that the WWTP identified above will accept and be responsible for the sludge from this facility for the life of the permit (at least 5 years).

Attachment: Click to enter text.

Item 3. Authorization for Sewage Sludge Disposal (Instructions, Page 85)

If this is a new or major amendment application which requests authorization of a new sewage sludge disposal method, check the new sewage disposal method(s) requested for authorization (check all that apply):

☐ Marketing and distribution by the permittee, attach Form TCEQ-00551

☐ Processed by the permittee, attach Form TCEQ-00744

☐ Surface disposal site (sludge monofill), attach Form TCEQ-00744

☐ Beneficial land application, attach Form TCEQ-10451

☐ Incineration, attach Form TCEQ-00744

Based on the selection(s) made above, complete and attach any required TCEQ forms, as directed. Failure to submit the required TCEQ form will result in delays in processing the application.

Attachment: Click to enter text.

NOTE: New authorization for beneficial land application, incineration, processing, or disposal in the TPDES permit or TLAP **requires a major amendment to the permit**. New authorization for composting may require a major amendment to the permit. See the instructions to determine if a major amendment is required or if authorization for composting can be added through the renewal process.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following information **is required** for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

Item 1. All POTWs (Instructions, Page 86)

a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU		
SIU – Non-categorical		
Other IU		

b. In the past three years, has the POTW experienced treatment plant interference?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: Click to enter text.

c. In the past three years, has the POTW experienced pass-through?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: Click to enter text.

d. Does the POTW have, or is it required to develop, an approved pretreatment program?

☐ Yes ☐ No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each SIU and CIU.

Item 2. POTWs With Approved Pretreatment Programs or Those Required To Develop A Pretreatment Program (Instructions, Page 86)

a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to *40 CFR § 403.18*?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

Attachment: Click to enter text.

b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

Attachment: Click to enter text.

c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

Effluent Parameters Measured Above the MAL

Pollutant	Concentration	MAL	Units	Date

Attachment: Click to enter text.

d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

☐ Yes ☐ No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: Click to enter text.

Item 3. Significant Industrial User and Categorical Industrial User Information (Instructions, Pages 88-87)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

a. Mr. or Ms.: Click to enter text. First/Last Name: Click to enter text.

Organization Name: Click to enter text. SIC Code: Click to enter text.

Phone number: Click to enter text. Email address: Click to enter text.

Physical Address: Click to enter text. City/State/ZIP Code: Click to enter text.

Attachment: Click to enter text.

b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): Click to enter text.

c. Provide a description of the principal products(s) or service(s) performed: Click to enter text.

d. Flow rate information

Flow Rate Information

Effluent Type	Discharge Day (gallons per day)	Discharge Frequency (Continuous, batch, or intermittent)
Process Wastewater		
Non-process Wastewater		

e. Pretreatment Standards

1. Is the SIU or CIU subject to technology-based local limits as defined in the application instructions?

   ☐ Yes ☐ No

2. Is the SIU subject to categorical pretreatment standards?

   ☐ Yes ☐ No

   If **yes**, provide the category and subcategory or subcategories in the SIUs Subject To Categorical Pretreatment Standards table.

SIUs Subject to Categorical Pretreatment Standards

Category in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR

f. Has the SIU or CIU caused or contributed to any problem(s) (e.g., interferences, pass through, odors, corrosion, blockages) at the POTW in the past three years?

   ☐ Yes ☐ No

   If **yes**, provide a description of each episode, including dates, duration, description of problems, and probable pollutants, and include the name(s) of the SIU(s)/CIU(s) that may have caused or contributed to the problem(s): Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 7.0: STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges consisting of **either**: 1) solely of stormwater discharges associated with industrial activities, as defined in *40 CFR § 122.26(b)(14)(i-xi)*, **or** 2) stormwater discharges associated with industrial activities and any of the listed allowable non-stormwater discharges, as defined in the MSGP (TXR05000), Part II, Section A, Item 6.

Discharges of stormwater as defined in *40 CFR § 122.26 (b)(13)* are not required to obtain authorization under a TPDES permit (see exceptions at *40 CFR §§ 122.26(a)(1)* and *(9)*). Authorization for discharge may be required from a local municipal separate storm sewer system.

Item 1. Applicability (Instructions, Page 89)

Do discharges from any of the existing/proposed outfalls consist either 1) solely of stormwater discharges associated with industrial activities **or** 2) stormwater discharges associated with industrial activities and any of the allowable non-stormwater discharges?

☐ Yes ☒ No

If **no**, stop here. If **yes**, proceed as directed.

Item 2. Stormwater Coverage (Instructions, Page 89)

List each existing/proposed stormwater outfall at the facility and indicate which type of authorization covers or is proposed to cover discharges.

Authorization Coverage

Outfall	Authorization under MSGP	Authorized Under Individual Permit
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐
	☐	☐

If **all** existing/proposed outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) are **authorized under the MSGP**, **stop** here.

If **seeking authorization** for any outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) **under an individual permit**, **proceed**.

NOTE: The following information is required for each existing/proposed stormwater outfall for which the facility is seeking individual permit authorization under this application

Item 3. Site Map (Instructions, Page 90)

Attach a site map or maps (drawn to scale) of the entire facility with the following information.

- the location of each stormwater outfall to be covered by the permit
- an outline of the drainage area that is within the facility's boundary and that contributes stormwater to each outfall to be covered by the permit
- connections or discharge points to municipal separate storm sewer systems
- locations of all structures (e.g. buildings, garages, storage tanks)
- structural control devices that are designed to reduce pollution in discharges of stormwater associated with industrial activities
- process wastewater treatment units (including ponds)
- bag house and other air treatment units exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)
- landfills; scrapyards; surface water bodies (including wetlands)
- vehicle and equipment maintenance areas
- physical features of the site that may influence discharges of stormwater associated with industrial activities or contribute a dry weather flow
- locations where spills or leaks of reportable quality (as defined in *30 TAC § 327.4*) have occurred during the three years before this application was submitted to obtain coverage under an individual permit
- processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)

☐ Check the box to confirm all above information was provided on the facility site map(s).

Attachment: Click to enter text.

Item 4. Facility/Site Information (Instructions, Page 90)

a. Provide the area of impervious surface and the total area drained by each stormwater outfall requested for authorization by this permit application.

Impervious Surfaces

Outfall	Area of Impervious Surface (include units)	Total Area Drained (include units)

b. Provide the following local area rainfall information and the source of the information.

Wettest month: Click to enter text.

Average rainfall for wettest month (total inches): Click to enter text.

25-year, 24-hour rainfall (inches): Click to enter text.

Source: Click to enter text.

c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** Click to enter text.

d. Attach narrative descriptions of the industrial processes and activities involving the materials in the above-listed inventory that occur outdoors or in some manner that may result in exposure of the materials to precipitation or runoff (see instructions for guidance). **Attachment:** Click to enter text.

e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: Click to enter text.

Item 5. Pollutant Analysis (Instructions, Page 91)

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): Click to enter text.

b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: Click to enter text.

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
Lead, total						0.0005
Mercury, total						0.000005
Nickel, total						0.002
Selenium, total						0.005
Silver, total						0.0005
Zinc, total						0.005

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

d. Complete Table 18 as directed on pages 92-94 of the Instructions.

Table 18 for Outfall No.: Click to enter text.

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled

* Taken during first 30 minutes of storm event

** Flow-weighted composite sample

Attachment: Click to enter text.

Item 6. Storm Event Data (Instructions, Page 93)

Provide the following data for the storm event(s) which resulted in the maximum values for the analytical data submitted:

Date of storm event: Click to enter text.

Duration of storm event (minutes): Click to enter text.

Total rainfall during storm event (inches): Click to enter text.

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): Click to enter text.

Maximum flow rate during rain event (gallons/minute): Click to enter text.

Total stormwater flow from rain event (gallons): Click to enter text.

Provide a description of the method of flow measurement or estimate:

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 8.0: AQUACULTURE

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges of aquaculture wastewater.

Item 1. Facility/Site Information (Instructions, Page 94)

a. Complete the following table with information regarding production ponds, raceways, and fabricated tanks at the facility.

Production Pond Descriptions

Number of Ponds	Dimensions (include units)	Area of Each Pond (include units)	Number of Ponds x Area of Ponds (include Units)

Total surface area of all ponds: Click to enter text.

Raceway Descriptions

Number of Raceways	Dimensions (include units)

Fabricated Tank Descriptions

Number of Tanks	Dimensions (include units)

b. Does the facility have a TPWD-approved emergency plan?

☐ Yes ☐ No

If **yes**, attach a copy of the approved plan.

Attachment: Click to enter text.

c. Does the facility have an aquatic plant transplant authorization?

☐ Yes ☐ No

If **yes**, attach a copy of the authorization letter.

Attachment: Click to enter text.

d. Provide the number of aquaculture facilities located within 25-miles of this facility: Click to enter text.

Item 2. Species Identification (Instructions, Page 95)

Complete the following table regarding each species raised, source, origin, and disease status of the stock. Identify and attach copies of any current relevant authorizations or permits that authorize the species.

Stock Species Information

Species	Source of Stock	Origin of Stock	Disease Status	Authorizations

Attachment: Click to enter text.

Item 3. Stock Management Plan (Instructions, Page 95)

Attach a detailed stock management plan: Click to enter text.

Item 4. Water Treatment and Discharge Description (Instructions, Page 96)

Attach a detailed description of the discharge practices and water treatment process(es): Click to enter text.

Item 5. Solid Waste Management (Instructions, Page 96)

Attach a description of the solid waste-disposal practices: Click to enter text.

Item 6. Site Assessment Report (Instructions, Page 96)

All new and expanding commercial shrimp facilities located/to be located within the coastal zone must attach a detailed site assessment report which identifies sensitive aquatic habitats within the coastal zone: Click to enter text.

WORKSHEET 9.0

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:
TCEQ
IUC Permits Team
Radioactive Materials Division
MC-233
PO Box 13087
Austin, Texas 78711-3087
512-239-6466

For TCEQ Use Only
Reg. No._____
Date Received_____
Date Authorized_____

Item 1. General Information (Instructions Page 99)

1. **TCEQ Program Area**

   Program Area (PST, VCP, IHW, etc.): Click to enter text.

   Program ID: Click to enter text.

   Contact Name: Click to enter text.

   Phone Number: Click to enter text.

2. **Agent/Consultant Contact Information**

   Contact Name: Click to enter text.

   Address: Click to enter text.

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

   Phone Number: Click to enter text.

3. **Owner/Operator Contact Information**

   ☐ Owner ☐ Operator

   Owner/Operator Name: Click to enter text.

   Contact Name: Click to enter text.

   Address: Click to enter text.

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

   Phone Number: Click to enter text.

4. **Facility Contact Information**

   Facility Name: Click to enter text.

   Address: Click to enter text.

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

   Location description (if no address is available): Click to enter text.

   Facility Contact Person: Click to enter text.

   Phone Number: Click to enter text.

5. **Latitude and Longitude, in degrees-minutes-seconds**

   Latitude: Click to enter text.

   Longitude: Click to enter text.

   Method of determination (GPS, TOPO, etc.): Click to enter text.

   Attach topographic quadrangle map as attachment A.

6. **Well Information**

   Type of Well Construction, select one:

   - ☐ Vertical Injection
   - ☐ Subsurface Fluid Distribution System
   - ☐ Infiltration Gallery
   - ☐ Temporary Injection Points
   - ☐ Other, Specify: Click to enter text.

   Number of Injection Wells: Click to enter text.

7. **Purpose**

   Detailed Description regarding purpose of Injection System:

   Click to enter text.

   Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

8. **Water Well Driller/Installer**

   Water Well Driller/Installer Name: Click to enter text.

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

   Phone Number: Click to enter text.

   License Number: Click to enter text.

Item 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

Down Hole Design Table

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Center	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

Item 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: Click to enter text.

System(s) Construction: Click to enter text.

Item 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: Click to enter text.
2. Receiving Formation Name of Injection Zone: Click to enter text.
3. Well/Trench Total Depth: Click to enter text.
4. Surface Elevation: Click to enter text.
5. Depth to Ground Water: Click to enter text.
6. Injection Zone Depth: Click to enter text.
7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

   Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

   Name: Click to enter text.

   Thickness: Click to enter text.
8. Attach a list of contaminants and the levels (ppm) in contaminated aquifer as Attachment E.
9. Attach the Horizontal and Vertical extent of contamination and injection plume as Attachment F.
10. Attach Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc., as Attachment G.
11. Injection Fluid Chemistry in PPM at point of injection. Attach as Attachment H.
12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: Click to enter text.
13. Maximum injection Rate/Volume/Pressure: Click to enter text.
14. Water wells within 1/4 mile radius (attach map as Attachment I): Click to enter text.
15. Injection wells within 1/4 mile radius (attach map as Attachment J): Click to enter text.
16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): Click to enter text.
17. Sampling frequency: Click to enter text.
18. Known hazardous components in injection fluid: Click to enter text.

Item 5. Site History

1. Type of Facility: Click to enter text.
2. Contamination Dates: Click to enter text.
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations. Attach as Attachment L.
4. Previous Remediation. Attach results of any previous remediation as Attachment M.

NOTE: Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

Item 6. CLASS V INJECTION WELL DESIGNATIONS

5A07 Heat Pump/AC return (IW used for groundwater to heat or cool buildings)

5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)

5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)

5D02 Stormwater Drainage (IW designed for the disposal of rain water)

5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)

5F01 Agricultural Drainage (IW that receive agricultural runoff)

5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)

5S23 Subsidence Control Wells (IW used to control land subsidence caused by groundwater withdrawal)

5W09 Untreated Sewage

5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)

5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)

5W12 WTTP disposal

5W20 Industrial Process Waste-disposal Wells

5W31 Septic System (Well Disposal method)

5W32 Septic System Drainfield Disposal

5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, or fill sections of a mine)

5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)

5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)

5X27 Other Wells

5X28 Motor Vehicle Waste-disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)

5X29 Abandoned Drinking Water Wells (waste disposal)

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 10.0: QUARRIES IN THE JOHN GRAVES SCENIC RIVERWAY

This worksheet **is required** for all applications for individual permits for a municipal solid waste facility or mining facility located within a Water Quality Protection Area in the John Graves Scenic Riverway. **Note: Review 30 TAC §§ 311.71-311.82 thoroughly prior to completing any portion of this worksheet.**

Item 1. Exclusions (Instructions, Page 100)

a. Is this a municipal solid waste facility?

☐ Yes ☐ No

b. Has this quarry been in operation since January 1, 1994 without cessation of operation for more than 30 consecutive days and under the same ownership?

☐ Yes ☐ No

c. Is this a coal mine?

☐ Yes ☐ No

d. Is this facility mining clay and/or shale for use in manufacturing structural clay products?

☐ Yes ☐ No

If **yes** to **any** above question, **stop here**. The facility is required to maintain documentation, as outlined in *30 TAC § 311.72(c)*, at the facility to demonstrate the exclusion(s).

Item 2. Location of the Quarry (Instructions, Page 101)

Check the box next to the distance between the quarry and the nearest navigable water body:

☐ < 200 feet ☐ 200 feet – 1,500 feet ☐ 1,500 feet – 1 mile ☐ > 1 mile

NOTE: The construction or operation of any new quarry or expansion of any existing quarry **is prohibited** within 200 feet of any water body located within a Water Quality Protection Area in the John Graves Scenic Riverway.

Item 3. Additional Requirements (Instructions, Page 101)

Use the table in the Instructions to determine if additional application requirements apply to the facility based on distance between the quarry and the nearest waterway. Attach as appropriate or enter N/A.

a. Attach a Restoration Plan: Click to enter text.

b. Amount of Financial Assurance for Restoration: $ Click to enter text.

Mechanism: Click to enter text.

c. Attach a Technical Demonstration: Click to enter text.

d. Attach a Reclamation Plan: Click to enter text.

e. Amount of Financial Assurance for Reclamation: $ Click to enter text.

Mechanism: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.0: COOLING WATER SYSTEM INFORMATION

This worksheet **is required** for all TPDES permit applications **that meet the conditions outlined in Technical Report 1.0, Item 12.**

Item 1. Cooling Water System Data (Instructions, Page 104)

a. Complete the following table with information regarding the cooling water system.

Cooling Water System Data

Parameter	Volume (include units)
Total DIF	
Total AIF	
Intake Flow Use(s) (%)	
Contact cooling	
Non-contact cooling	
Process Wastewater	
Other	

b. Attach the following information:

1. A narrative description of the design and annual operation of the facility's cooling water system and its relationship to the CWIS(s).

2. A scaled map depicting the location of each CWIS, impoundment, intake pipe, and canals, pipes, or waterways used to convey cooling water to, or within, the cooling water system. Provide the latitude and longitude for each CWIS and any intake pipe(s) on the map. Indicate the position of the intake pipe within the water column.

3. A description of water reuse activities, if applicable, reductions in total water withdrawals, if applicable, and the proportion of the source waterbody withdrawn (on a monthly basis).

4. Design and engineering calculations prepared by a qualified professional and data to support the information provided in above item a.

5. Previous year (a minimum of 12 months) of AIF data.

6. A narrative description of existing or proposed impingement and entrainment technologies or operation measures and a summary of their performance, including, but not limited to, reductions in impingement mortality and entrainment due to intake location and reductions in total water withdrawals and usage.

Attachment: Click to enter text.

Item 2. Cooling Water Intake Structure(s) Data (Instructions, Page 105)

a. Complete the following table with information regarding each cooling water intake structure (this includes primary and make-up CWIS(s)).

Cooling Water Intake Structure(s) Data

CWIS ID				
DIF (include units)				
AIF (include units)				
Intake Flow Use(s) (%)				
Contact cooling				
Non-contact cooling				
Process Wastewater				
Other				
Latitude (decimal degrees)				
Longitude (decimal degrees)				

b. Attach the following information regarding the CWIS(s):

1. A narrative description of the configuration of each CWIS, annual and daily operation, including any seasonal changes, and where it is located in the water body and in the water column.

2. Engineering calculations for each CWIS.

Attachment: Click to enter text.

Item 3. Source Water Physical Data (Instructions, Page 105)

a. Complete the following table with information regarding the CWIS(s) source waterbody (this includes primary and make-up CWIS(s)).

Source Waterbody Data

CWIS ID				
Source Waterbody				
Mean Annual Flow				
Source				

b. Attach the following information regarding the source waterbody.

1. A narrative description of the source water for each CWIS, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports this determination of the water body type where each cooling water intake structure is located.

2. A narrative description of the source waterbody's hydrological and geomorphological features.

3. Scaled drawings showing the physical configuration of all source water bodies used by the facility, including the source waterbody's hydrological and geomorphological features. **NOTE:** The source waterbody's hydrological and geomorphological features may be included on the map submitted for item 1.b.ii of this worksheet.

4. A description of the methods used to conduct any physical studies to determine the intake's area of influence within the waterbody and the results of such studies.

Attachment: Click to enter text.

Item 4. Operational Status (Instructions, Page 106)

a. Is this application for a power production or steam generation facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.b. If **yes**, provide the following information as an attachment:

1. Describe the operating status of each individual unit, including age, capacity utilization rate (or equivalent) for the previous five years (a minimum of 60 months), and any seasonal changes in operation.

2. Describe any extended or unusual outages or other factors which significantly affect current data for flow, impingement, entrainment.

3. Identify any operating unit with a capacity utilization rate of less than 8 percent averaged over a contiguous period of two years (a minimum of 24 months).

4. Describe any major upgrades completed within the last 15 years, including but not limited to boiler replacement, condenser replacement, turbine replacement, or changes of fuel type.

Attachment: Click to enter text.

b. Process Units

1. Is this application for a facility which has process units that use cooling water (other than for power production or steam generation)?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, continue.

2. Does the facility use or intend to use reductions in flow or changes in operations to meet the requirements of *40 CFR § 125.94(c)*?

☐ Yes ☐ No

If **no**, proceed to Item 4.c. If **yes**, attach descriptions of the following information:

- Individual production processes and product lines
- The operating status, including age of each line and seasonal operation
- Any extended or unusual outages that significantly affect current data for flow, impingement, entrainment, or other factors

- Any major upgrades completed within the last 15 years and plans or schedules for decommissioning or replacement of process units or production processes and product lines.

Attachment: Click to enter text.

c. Is this an application for a nuclear power production facility?

☐ Yes ☐ No

If **no**, proceed to Item 4.d. If **yes**, attach a description of completed, approved, or scheduled upgrades and the Nuclear Regulatory Commission relicensing status for each unit at the facility.

Attachment: Click to enter text.

d. Is this an application for a manufacturing facility?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.1. If **yes**, attach descriptions of current and future production schedules and any plans or schedules for any new units planned within the next five years (a minimum of 60 mos)

Attachment: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.1: IMPINGEMENT MORTALITY

This worksheet **is required** for all TPDES permit applications **that meet the conditions outlined in Technical Report 1.0, Item 12.** Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

CWIS ID: Click to enter text.

Item 1. Impingement Compliance Technology Selection (Instructions, Page 107)

Check the box next to the method of compliance for the Impingement Mortality Standard selected by the facility.

☐ Closed-cycle recirculating system(CCRS) [*40 CFR § 125.94(c)(1)*]
☐ 0.5 ft/s Through-Screen Design Velocity [*40 CFR § 125.94(c)(2)*] – Proceed to Worksheet 11.2
☐ 0.5 ft/s Through Screen Actual Velocity [*40 CFR § 125.94(c)(3)*]
☐ Existing offshore velocity cap [*40 CFR § 125.94(c)(4)*] – Proceed to Worksheet 11.2
☐ Modified traveling screens [*40 CFR § 125.94(c)(5)*]
☐ System of technologies [*40 CFR § 125.94(c)(6)*]
☐ Impingement mortality performance standard [*40 CFR § 125.94(c)(7)*]
☐ De minimis rate of impingement [*40 CFR § 125.94(c)(11)*]
☐ Low capacity utilization power-generation facilities [*40 CFR § 125.94(c)(12)*]

If 0.5 ft/s Through-Screen Design Velocity [*40 CFR § 125.94(c)(2)*] or existing offshore velocity cap [*40 CFR § 125.94(c)(4)*] was selected, proceed to Worksheet 11.2. Otherwise, continue to Item 2.

Item 2. Impingement Compliance Technology Information (Instructions, Page 107)

Complete the following sections based on the selection made for item 1 above.

a. CCRS [*40 CFR § 125.94(c)(1)*]

☐ Check this box to confirm the CWS meets the definition of CCRS located at *40 CFR § 125.91(c)* and provide a response to the following questions.

1. Does the facility use or propose to use a CWIS to replenish water losses to the CWS?

   ☐ Yes ☐ No

   If **no**, proceed to item a.2. If **yes**, provide the following information as an attachment and continue.

   - CWIS ID
   - 12 months of intake flow data for any CWIS used for make-up intake flows to replenish cooling water losses, excluding intakes for losses due to blowdown, drift, or evaporation.

- A narrative description of any physical or operational measures taken to minimize make-up withdraws.

Attachment: Click to enter text.

NOTE: Do not complete a separate Worksheet 11.1 for a make-up CWIS.

2. Does the facility use or propose to use cooling towers?

☐ Yes ☐ No

If **no**, proceed to Worksheet 11.2. If **yes**, provide the following information and proceed to Worksheet 11.2.

- Average number of cycles of concentration (COCs) prior to blowdown:

Average COCs Prior to Blowdown

Cooling Tower ID				
COCs				

- Attach COC monitoring data for each cooling tower from the previous year (a minimum of 12 months): Click to enter text.
- Maximum number of COCs each cooling tower can accomplish based on design of the system.

Calculated COCs Prior to Blowdown

Cooling Tower ID				
COCs				

- Describe conditions that may limit the number of COCs prior to blowdown, if any, including but not limited to permit conditions: Click to enter text.

b. 0.5 ft/s Through Screen Actual Velocity [*40 CFR § 125.94(c)(3)*]

Provide daily intake flow measurement monitoring data from the previous year (a minimum of 12 months) as an attachment and proceed to Worksheet 11.2.

Attachment: Click to enter text.

c. Modified traveling screens [*40 CFR § 125.94(c)(5)*]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the modified traveling screens and associated equipment.
2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods
3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: Click to enter text.

d. System of technologies [*40 CFR § 125.94(c)(6)*] or impingement mortality performance standard [*40 CFR § 125.94(c)(7)]*

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the system of technologies used or proposed for use by the facility to

achieve compliance with the impingement mortality standard.

2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods.

3. Biological sampling data from the previous two years (a minimum of 24 months).

Attachment: Click to enter text.

e. De minimis rate of impingement [*40 CFR § 125.94(c)(11)*]

Provide the following information and proceed to Worksheet 11.2.

1. Attach monitoring data from the previous year (a minimum of 12 months) of intake flow measured at a frequency of 1/day on days of operation.

   Attachment: Click to enter text.

2. If the rate of impingement caused by the CWIS is extremely low (at an organism or age-one equivalent count), attach supplemental information to Worksheet 11.0, item 1.b.6. to support this determination.

   Attachment: Click to enter text.

f. Low capacity utilization power-generation facilities [*40 CFR § 125.94(c)(12)*]

Attach monthly utilization data from the previous 2 years (a minimum of 24 months) for each operating unit and proceed to Worksheet 11.2.

Attachment: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.2: SOURCE WATER BIOLOGICAL DATA

This worksheet **is required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** source waterbody of a CWIS for which a facility has selected an Impingement Mortality Technology Option described at *40 CFR §§ 125.94(c)(1)-(7)*.

Name of source waterbody: Click to enter text.

Item 1. Species Management (Instructions, Page 109)

a. The facility has obtained an incidental take permit for its cooling water intake structure(s) from the USFWS or the NMFS.

☐ Yes ☐ No

If yes, attach any information submitted in order to obtain that permit, which may be used to supplement the permit application information requirements of paragraph *40 CFR § 125.95(f)*.

Attachment: Click to enter text.

b. Is the facility requesting a waiver from application requirements at *40 CFR § 122.21(r)(4)* in accordance with *40 CFR § 125.95* for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent?

☐ Yes ☐ No

If **yes**, attach a copy of the most recent managed fisheries report to TPWD, or equivalent.

Attachment: Click to enter text.

c. There are no federally listed threatened or endangered species or critical habitat designations within the source water body.

☐ True ☐ False

Item 2. Source Water Biological Data (Instructions, Page 109)

New Facilities (Phase I, Track I and II)

- Provide responses to all items in this section and stop.

Existing Facilities (Phase II)

- If the answer to **1.b.** above was **no**, provide responses to all items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **true**, do not complete any items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **false**, attach a response for any item in this section that is not contained within the most recent TPWD, or equivalent and proceed to Worksheet 11.3.

Attachment: Click to enter text.

a. A list of the data requested at *40 CFR § 122.21(r)(4)(ii)* through *(vi)* that are not available, and efforts made to identify sources of the data.

b. Provide a list of species (or relevant taxa) in the vicinity of the CWIS and identify the following information regarding each species listed.
   - all life stages and their relative abundance,
   - identification of all species and life stages that would be most susceptible to impingement and entrainment,
   - forage base,
   - significance to commercial fisheries,
   - significance to recreational fisheries,
   - primary period of reproduction,
   - larval recruitment, and
   - period of peak abundance for relevant taxa.

c. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the CWIS(s).

d. Identify all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at the CWIS(s).

e. Documentation of any public participation or consultation with federal or state agencies undertaken.

The following is required for existing facilities only. Include the following information with the above listed attachment.

f. Identify any protective measures and stabilization activities that have been implemented and provide a description of how these measures and activities affected the baseline water condition in the vicinity of the intake.

g. A list of fragile species, as defined at *40 CFR § 125.92(m)*, at the facility. The applicant need only identify those species not already identified as fragile at *40 CFR § 125.92(m)*.

NOTE: New units at an existing facility are not required to resubmit this information if the cooling water withdrawals for the operation of the new unit are from an existing intake.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 11.3: ENTRAINMENT

This worksheet **is required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

CWIS ID: Click to enter text.

Item 1. Applicability (Instructions, Page 111)

Is the AIF of the CWIS identified above greater than, or equal to, 125 MGD?

☐ Yes ☐ No

- If **no** or the facility has selected **CCRS** [*40 CFR § 125.94(c)(1)*] for the impingement mortality compliance method, complete Item 2 and stop here.
- If **yes** and the facility is **seeking a waiver** from application requirements in accordance with *40 CFR § 125.95* for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent, complete item 2 and stop.
- If **yes** and the facility is **not seeking a waiver** from application requirements in accordance *with 40 CFR § 125.95*, complete item 2 and provide any required and completed studies listed in item 3. For any required studies in item 3 that are not complete, provide a detailed explanation for the delay and an anticipated schedule for completion and submittal.

Item 2. Existing Entrainment Performance Studies (Instructions, Page 111)

Attach any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-facility entrainment survival, and other entrainment studies.

Attachment: Click to enter text.

Item 3. Facility Entrainment Performance Studies (Instructions, Page 111)

a. Attach an entrainment characterization study, as described at *40 CFR § 122.21(r)(9)*: Click to enter text.

b. Attach a comprehensive feasibility study, as described as *40 CFR § 122.21(r)(10)*: Click to enter text.

c. Attach a benefits valuation study, as described as *40 CFR § 122.21(r)(11)*: Click to enter text.

d. Attach a non-water quality environmental and other impacts study, as described as *40 CFR § 122.21(r)(12)*: Click to enter text.

e. Attach a peer review analysis, as described as *40 CFR § 122.21(r)(13)*: Click to enter text.

INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 12.0: OIL AND GAS EXPLORATION, DEVELOPMENT, AND PRODUCTION WASTEWATER DISCHARGES

This worksheet **is required** for all TPDES permit applications that are subject to Effluent Limitation Guidelines in 40 CFR Part 435.

Item 1. Operational Information (Instructions, Page 112)

a. Is the wastewater from an oil and gas exploration, development, or production facility located west of the 98th meridian?

☐ Yes ☐ No

If yes, continue to the next question. If no, skip to Item 2 relating to Production/Process Data.

b. Provide justification for how the wastewater is/will be used for agriculture or wildlife propagation.

Click to enter text.

Item 2. Production/Process Data (Instructions, Page 112)

a. Provide the applicable 40 CFR Part 435 Subpart(s).

Click to enter text.

b. Describe if the permit being sought is for discharges from exploration, development, production, or for a combination of more than one of those activities.

Click to enter text.

c. Provide information on all waste-streams generated and specify which waste-streams you are requesting to be authorized for discharge.

Wastestreams Generated

Wastestream	Requesting authorization to discharge? (Yes/No)	Volume (MGD)	% of Total Flow

d. Describe how the facility will manage wastestreams for which discharge authorization is not being sought.

Click to enter text.

Attachment: Click to enter text.

e. Provide information on miscellaneous discharges.

Click to enter text.

Attachment: Click to enter text.

f. List of chemicals that are in use, or will be used, downhole. Provide the category, concentration used/to be used, and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose

Attachment: Click to enter text.

g. **List of chemicals that are in use, or will be used, to treat the wastewater to be discharged under this authorization. Provide the concentration used/to be used and purpose of using the chemical. Attach a safety data sheet for each chemical listed.**

Water Treatment Chemicals List

Category	Chemical Name	Concentration (include units)	Purpose

Attachment: Click to enter text.

Item 3. Pollutant Analysis (Instructions, Page 113)

Tables 1, 2, 6, and 7 located in Worksheet 2.0 are required. In addition, Table 19 below is required and must be completed for each outfall and submitted with this application. The remaining tables in Worksheet 2.0, are required as applicable.

a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): Click to enter text.

b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.

c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** Click to enter text.

d. Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** Click to enter text.

Table 19 for Outfall No.: Click to enter text. **Samples are (check one):** ☐ **Composite** ☐ **Grab**

Pollutant	**Sample 1 (mg/L)***	**Sample 2 (mg/L)***	**Sample 3 (mg/L)***	**Sample 4 (mg/L)***
Calcium				
Potassium				
Sodium				

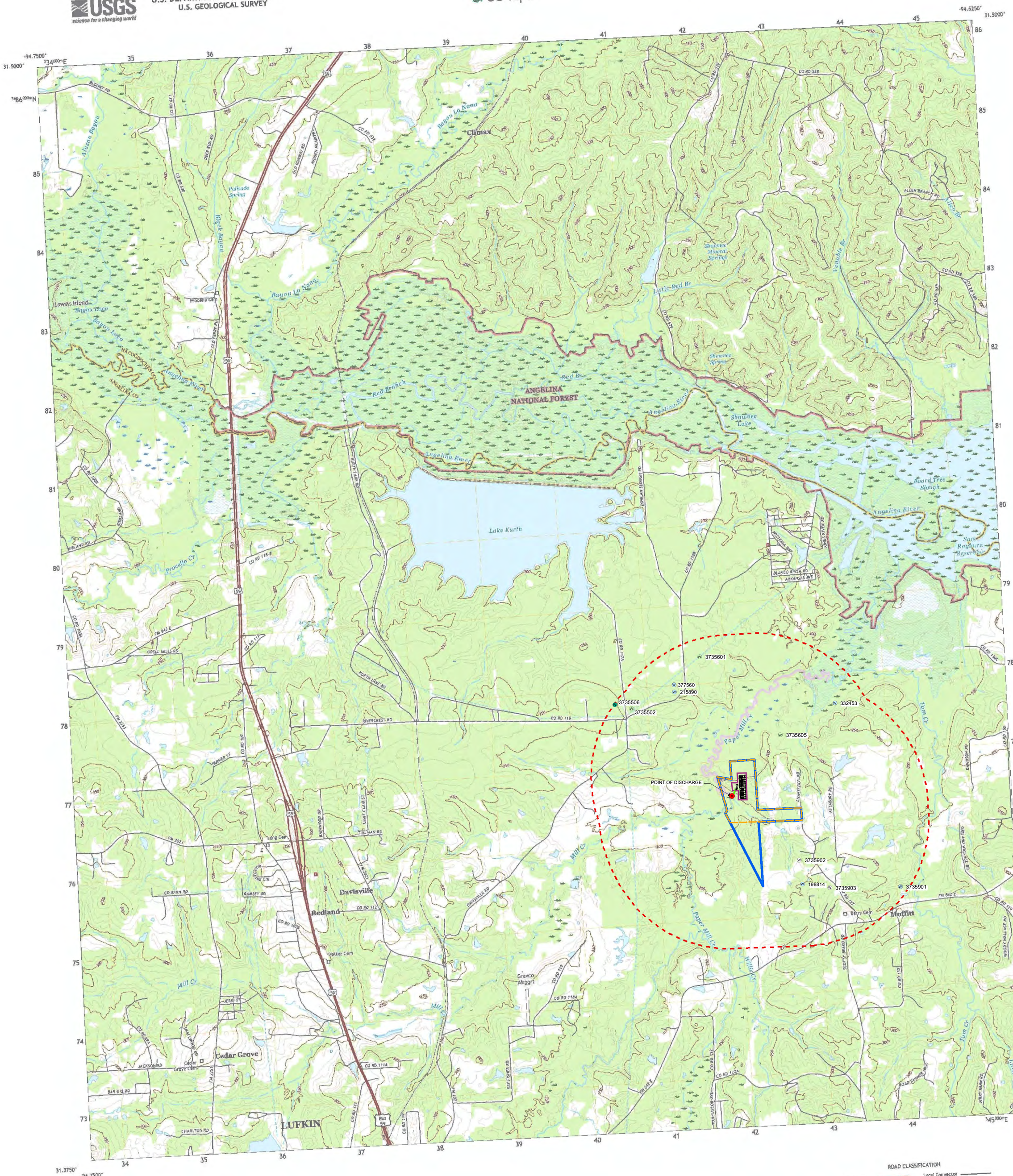
*Indicate units if different from mg/L.

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

USGS science for a changing world

The National Map US Topo

REDLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 15R
This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015 - 2018
Roads within US Forest Service Lands	FSTopo Data with limited Forest Service updates, 2012 - 2012
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2003 - 2018
Contours	National Elevation Dataset, 2018
Boundaries	Multiple sources; see metadata file 2017 - 2021
Wetlands	FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000
KILOMETERS 0.5 0 1
METERS 1000 500 0 1000 2000
MILES 0.5 0 1
FEET 1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard.

TEXAS
QUADRANGLE LOCATION

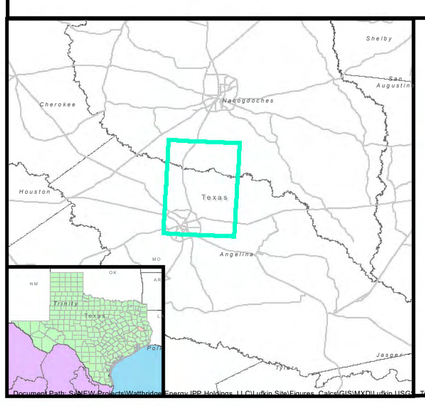
1 Lake Nacogdoches South
2 Nacogdoches South
3 Woden
4 Clawson
5 Platt
6 Kennys
7 Lufkin
8 Huntington
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route
FS Primary Route
FS Passenger Route
FS High Clearance Route

Check with local Forest Service unit for current travel conditions and restrictions.

REDLAND, TX
2022

Source: USGS 7.5 Minute Series, Redlands, Texas 2022.



LEGEND

- Facility Boundary
- Property Boundary
- Lease Property Boundary
- 1-Mile Radius
- 3-Mile Downstream of Point of Discharge
- Discharge Point
- Outfall 001
- Domestic Well (TWDB)
- Industrial Well (TWDB)
- Public Supply Well (TWDB)
- Unused Well (TWDB)

N

SCALE: 1 IN = 2,000 feet
0 2,000 4,000
Feet

Date: 2/22/2024
Project: 212C-HN-00445

WATTBRIDGE

FIGURE 1

7.5-MINUTE USGS TOPOGRAPHIC QUADRANGLE MAP

ANGELINA COUNTY, TEXAS

Prepared By: TETRA TECH

TETRA TECH

3/11/24

To: TPDES Permit File for Longleaf Power Generating Station near Lufkin, TX

From: John Christiansen, PE and Edwin Centeno, PE

Re: Process Description For Planned Longleaf Power Generating Facility

The Longleaf Power Generating Facility (Longleaf) is planned for an area northeast of Lufkin TX. It is planned to be on-line in second or third quarter of 2026. The facility is being developed by ProEnergy and its Texas subsidiary, Wattbridge Energy IPP Holdings, LLC (Wattbridge). The facility will have up to 12 LM6000 gas-turbine packages. These are quick start power generators, which will draw natural gas from a nearby gas pipeline and connect to transformers that add up to 450 MW electric power to the Electric Reliability Council of Texas (ERCOT) managed grid in times of high-power demand. There are several existing similar facilities in Harris County (Remy Jade), Fort Bend County (Braes Bayou), and Brazoria County (Brotman, Mark One). The facilities are all laid out in a manner similar to that shown in **Figure 1** below.

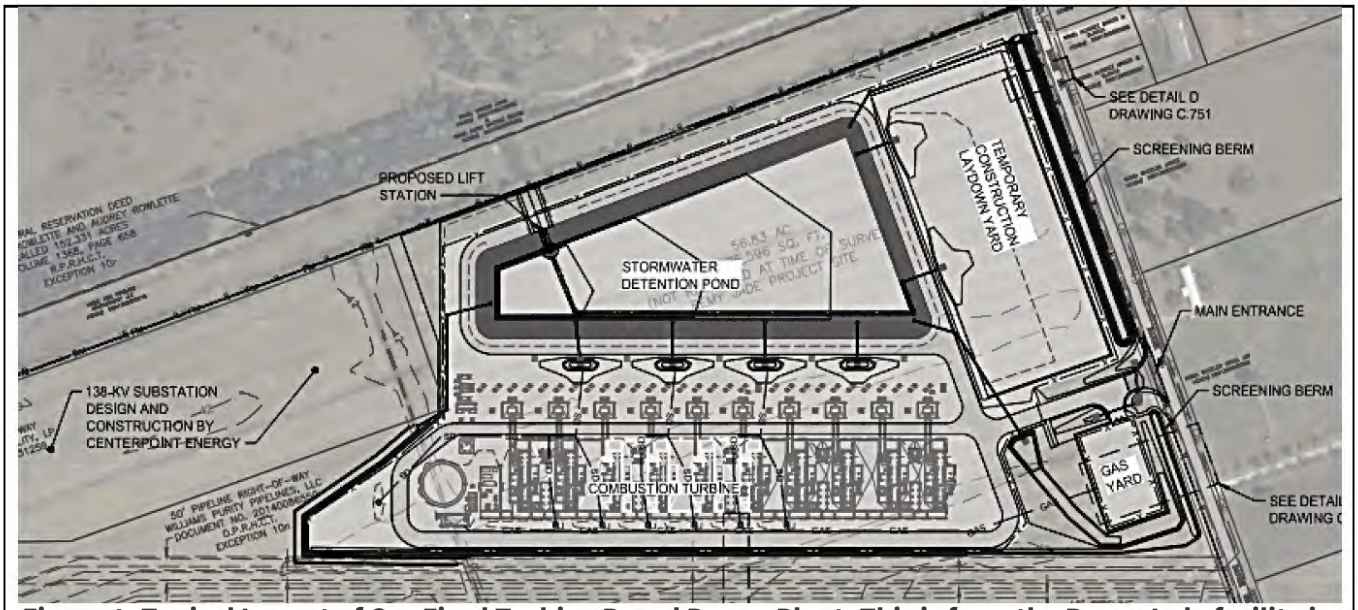


Figure 1: Typical Layout of Gas Fired Turbine Based Power Plant. This is from the Remy Jade facility in Harris County, TX. The Longleaf facility near Lufkin will have 12 Turbine Generating Units in lieu of 10 shown but will be otherwise identical in composition.

The primary components of the facility are shown in **Figure 1**. They consist of entrance and access roads, security fencing, and a berm which surrounds the facility to aid in facility security and screens the industrial activity from the neighboring area, and controls noise. The Facilities do not use a cooling tower for a conventional power plant, but cooling water is used to cool all air/gas inducted into the turbine. The water

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will be sourced from the City of Lufkin which operates 11 groundwater wells or by well water directly from onsite. Mineral data was imported from the City of Lufkin Consumer Confidence Reports and used to estimate the minerals which would potentially be found in Longleaf effluent due to being separated in the Reverse Osmosis (RO) water treatment system.

Gas Peaking Plants do not operate continuously. This facility may operate ~200 to 225 days per year with the hours of operation varying from 1 hour to 12 hours per day. This would be equivalent to 900 to 1800 annual hours, depending on electrical demand. This is equivalent an annual net capacity factor between 10% and 20%. Since the average flow case is intermittent, the Water Balance in **Figure 2**, is based on Maximum Flow.

Process Description and Characteristics

The total potential maximum raw water intake is 675 gpm, which would be supplied by the City of Lufkin or by well water directly from onsite. All of the water is passed through Reverse Osmosis (RO) and a polishing step called Electrodeionization (EDI). These processes demineralize (DEMIN) the water. The DEMIN water is stored in a tank on site and passed through the turbines to cool air/gas on demand. This generates the following waste streams:

- **RO/EDI Reject** - This is the principal stream which the applicant wishes to discharge under the TPDES permit. The flow estimate is 213 gpm maximum. This wastewater has all the minerals in the Lufkin Potable Water . Using publicly available Minerals analyses and Reverse Osmosis process experience, Tetra Tech estimated the minerals which would pass to the RO reject and be discharged in Outfall 001. Characterization of the discharge is shown in the Tables shown in **Appendix A**. **Table A-1** shows data from 2022-2023 from the Braes Bayou facility. **Table A-2** shows the estimated mineral content based on groundwater analyses and RO/EDI performance calculations.
- **Evaporation** – While there is no cooling tower, the gas cooling results in evaporation of water into the air. The Evaporation rate is 1,320 gpm, but the operation is intermittent.
- **OWS Wastewater**: Lubricating oil is used within closed systems in the turbine. Water is sprayed inside the turbines to boost power output. As it comes in contact with lubricating oils it is collected and Emergency Drain tanks (EDTs) for Disposal. The design of the piping is from the turbine to the EDT is closed steel piping in the turbine are which connects to a collection cup which extends upward from top of concrete. Unfortunately, under some storm conditions, rainfall can enter the cup and comingle with the spray water and lubricating oil, increasing the volume of oily water. This is treated as “Contact Stormwater”. Wattbridge operates an oil recovery step using an Oil Water Separation (OWS) tank. There are six (6) EDTs, or one (1) per two (2) Gas turbines. The EDT wastewater is moved using a vacuum truck to the OWS. The oil water mixture is allowed to set 1 hour and separate. The water portion is decanted into the process wastewater sewer. Wattbridge operators confirm the decant has no oil by visual examination for sheen and by running turbidity on a portable Turbidimeter. Turbidity must be less than 10 NTU for water to be released. Any oil left in the OWS is transferred to Oil Waste Storage for Off Site Disposal. The maximum rate for this oily wastewater decant is 11 gpm.
- **Total Flow**: The total maximum flow for Outfall 001 is 224 gpm (0.50 Cubic feet per Second)(322,560 gallons per day).
- **Average Flow -** We suggest that the permit conditions modeled for the receiving waters assume Average Flow=Maximum Flow, since that will be the condition when the plant operates.

The combined process wastewater effluent will flow to a designated Outfall, 001 on Paper Mill Creek.

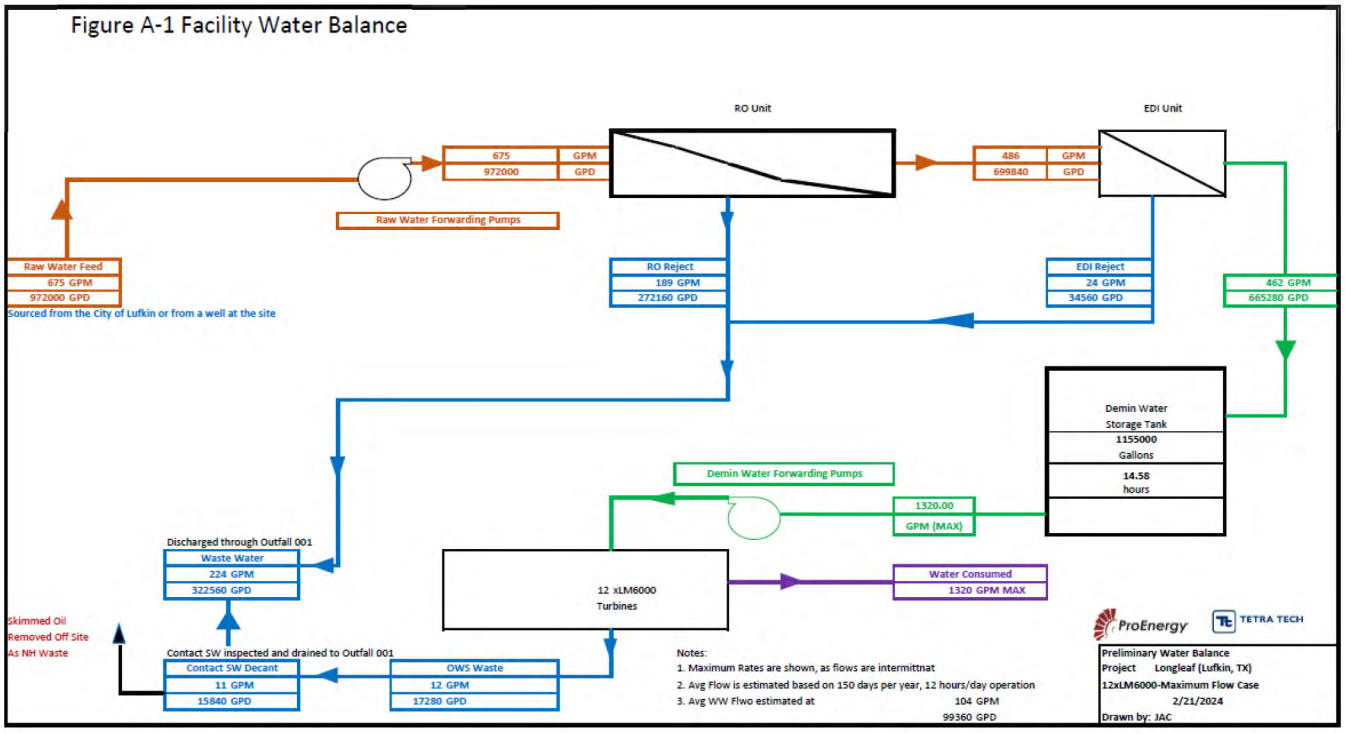

Figure 2 Longleaf Water Balance (Maximum Flows)

Sanitary Wastewater

The Longleaf facility will not discharge Sanitary Wastewater. It's collected and hauled off by an area company permitted to haul and Dispose of Sewage.

Stormwater Collection and Treatment

The Longleaf Power Generating Facility has no other contact stormwater. The runoff from roads, roofs, aprons, non-processing area paving, and grassing areas is collected in storm drains and flows to a Retention Pond. The Pond is designed to hold the 100-year, 24-hour area storm. The pond has a separate outfall to a different location on Paper Mill creek. The stormwater is discharged under the Multi Sector General permit.

Texas Commission on Environmental Quality (TCEQ) Waste Classification

The TCEQ has a category for wastewater discharges called "Water Treatment Wastes". This applies to this discharge.

Receiving Water-Paper Mill Creek Past Impairment and Recovery to Meet Segment Water Quality Criteria

The immediate downstream receiving water would be Paper Mill Creek. The creek is listed as Segment 615A in 30 TAC 307. It has a long history of receiving industrial effluent from a large pulp and paper mill, which caused impairment, but the mill closed in 2008 and the Creek has largely recovered and now meets its water quality criteria of 5.0 mg/L minimum Dissolved Oxygen (DO)

- Paper Mill Creek now flows 9 miles from the Lufkin area to the confluence of Sam Rayburn Reservoir (Angelina River Arm) in Angelina County. The flow of the creek has not been recently recorded by the TCEQ. When the paper mill was active, it discharged 30+ mgd (46+ CFS). Now some observers believe its flow is ~ 20 CFS under dry weather conditions. It drains a 9 sq. mile area. The monitoring stations for Paper Mill Creek are shown in **Figure 3**.
- Paper Mill Creek had a Pulp & Paper Mill, with various owners (Southland, St. Regis, Donahue, Abitibi price, Abitibi Consolidated) from 1940-2008 when the facility closed. According to a report issued in 2017 by the Angelina & Neches Rivers Authority (ANRA) on the water quality in Paper Mill creek and in the Angeline and Neches River system, the Angelina River has a historic low flow of 103 CFS and a mean flow of 1,390 CFS. The ANRA report notes in the 2014 Texas Integrated Report that the Paper Mill Creek was listed for depressed Dissolved Oxygen (DO) and as "not supporting for an impaired fish community". There were also concerns for Total Aluminum concentrations in the Creek. A fish consumption advisory has been in effect for Dioxin and Mercury in Edible Tissue. According to the ANRA report, there were past concerns for both Nitrate and Total Phosphorus. All of these pollutants are associated with the Pulp and Paper Mill waste and the source of pollutants was removed when it closed.
- The TCEQ has noted in recent years a significant improvement in the water quality of the creek and currently Paper Mill Creek has no issues for DO or Aluminum. The 2017 ANRA report notes there are now no current concerns for Aluminum and DO.
- The TCEQ Segment Reports for 615, in the Angelina River, downstream in the past show low fish diversity, and concerns about metals (Copper and Aluminum). But these would also be associated with the mill effluent and also have improved once the mill closed, and natural stream recovery took place.

Effects on Water Quality

The discharge will be into Segment 615A, Paper Mill creek, as defined in 30TAC307.Based on the TCEQ 2018 Water Quality Limits, the stream criteria for the receiving waters, Paper Mill Creek, are shown below. Paper Mill Creek has limited parameters applied so we also used the segment further downstream, No. 615 for the Angelina River, for its water quality criteria.

- Segment 615A Paper Mill Creek
  - pH 6.5-9.0
  - Dissolved Oxygen >5.0 mg/L
  - E. Coli 630 CFU/100 MLS (in Paper Mill creek)
- Segment 615 Angelina River/Sam Rayburn Reservoir
  - Chlorides -150 mg/L
  - Sulfate – 100 mg/L
  - TDS 500 mg/L
  - Temperature 93 Degrees F
  - E. Coli 126 CFU/100 MLS (in Angelina Reservoir)

According to a report issued in 2017 by the Angelina & Neches Rivers Authority (ANRA) on the water quality in Paper Mill creek and in the Angeline and Neches River system, The Angelina River has a historic low flow of 103 CFS and a mean flow of 1,390 CFS. The flow of the Longleaf facility is a maximum of 0.50 CFS so the effects of the Longleaf discharge on the river should not be measurable.

Figure 3: Paper Mill Creek (Segment 615A) from the 2017 ANRA report

Conclusions

The proposed Longleaf facility will discharge "Water treatment Wastes" which are RO Reject and EDI Reject. The flow estimate is a maximum of 224 gpm. The water quality characteristics of the discharge are expected to be less than the concentrations in the water quality criteria for the Segment 615 Angelina River/Sam Rayburn Reservoir.

Appendix A

Table A-1 - Data from 2022-2023 from the Braes Bayou facility

2022	TSS	O&G	TDS	Chlorides	Sulfate	pH	Flow
Month	mg/L	mg/L	mg/L	mg/L	mg/L	SU	MGD
March	19.2	1.9	565.0	64.9	0.3		
April	5.8	3.2	706.5	69.8	1.3		
May	14.4	1.9	851.8	92.5	0.4		
June	13.0	1.9	758.8	92.5	0.4		
July	11.6	1.7	862.6	102.4	0.5	8.1	0.12
August	5.5	2.3	753.8	91.8	1.0	7.5	0.09
September	8.3	1.9	765.5	93.2	2.7	8.1	0.12
October	5.2	2.3	689.3	75.9	2.2	8.2	0.05
November	18.9	2.0	696.6	75.0	1.2	8.3	0.08
December	4.0	2.1	603.1	55.4	2.6	8.4	0.49

2023	TSS	O&G	TDS	Chlorides	Sulfate	pH	Flow
Month	mg/L	mg/L	mg/L	mg/L	mg/L	SU	MGD
January	5.3	1.8	653.6	71.4	2.4	8.5	0.00
February	6.1	1.8	618.3	77.7	2.9	8.9	0.00
March	4.0	2.6	707.5	77.7	2.9	8.9	0.00
April	4.2	1.6	678.0	76.3	0.7	7.8	0.00
May	10.4	5.7	589.8	64.7	2.3	8.3	0.00
June	5.5	1.8	728.6	80.0	1.0	7.7	0.00
July	4.0	1.6	711.3	76.2	1.2	8.0	0.00
August	5.5	2.3	753.8	91.8	1.0	7.5	0.09
September	5.0	1.7	805.0	93.5	2.1	8.1	0.00

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Table A-2 - Estimated mineral content based on groundwater analyses and RO/EDI performance Calculations

Table 2 Estimated Concentrations of Compounds in RO and EDI reject, at Maximum Flow

Parameter	Year	Average Value in Supply Water	Anticipated RO Permeate	Calculated Reject Concentration	Units	Source of GW Metal and Chemical Concentrations
Fluoride	2005	0.3	0.05	0.84	mg/L	1
Nitrate	2007	0.03	0.03	0.03	mg/L	1
Lead	2022	0.017	0.01	0.03	mg/L	2
Copper	2022	0.29	0.05	0.81	mg/L	2
Bicarbonate	2005	265	15	806	mg/L	1
Chloride	2005	32	3	95	mg/L	1
pH	2005	7.7	7.5	8.1	mg/L	1
Sulfate	2005	60	1	188	mg/L	1
Alkalinity	2005	217	15	654	mg/L	1
Total Dissolved Solids	2005	217	83	506	mg/L	1
Flow		675	462	213	gpm	Water Balance

Notes:
1. RO Permeate estimated using similar water systems
2. Reject calculated using a material balance for the ions

Sources

1 2007 Annual Drinking, Water Quality Report, (Consumer Confidence Report), Angelina County Fresh Water Supply District #1, P.O. Box 821, Lufkin, Texas 75902-0821, District Office: 639-3255

2 2023 Consumer Confidence Report for Public Water System CITY OF LUFKIN TX0030004 Annual Water Quality Report for the period of January 1 to December 31, 2022.


Plot Plan
Original Photographs
Point 2 - North
Point 1- North
Point 1 - South
Point 2 - South
Mullin Rd
127
N
Google Earth
Image Landsat / Copernicus

Photographic Log
TPDES Permit
Application

From Point 1

Looking north into the future facility area

Looking east into the future facility area

From Point 2

Looking North

Looking South

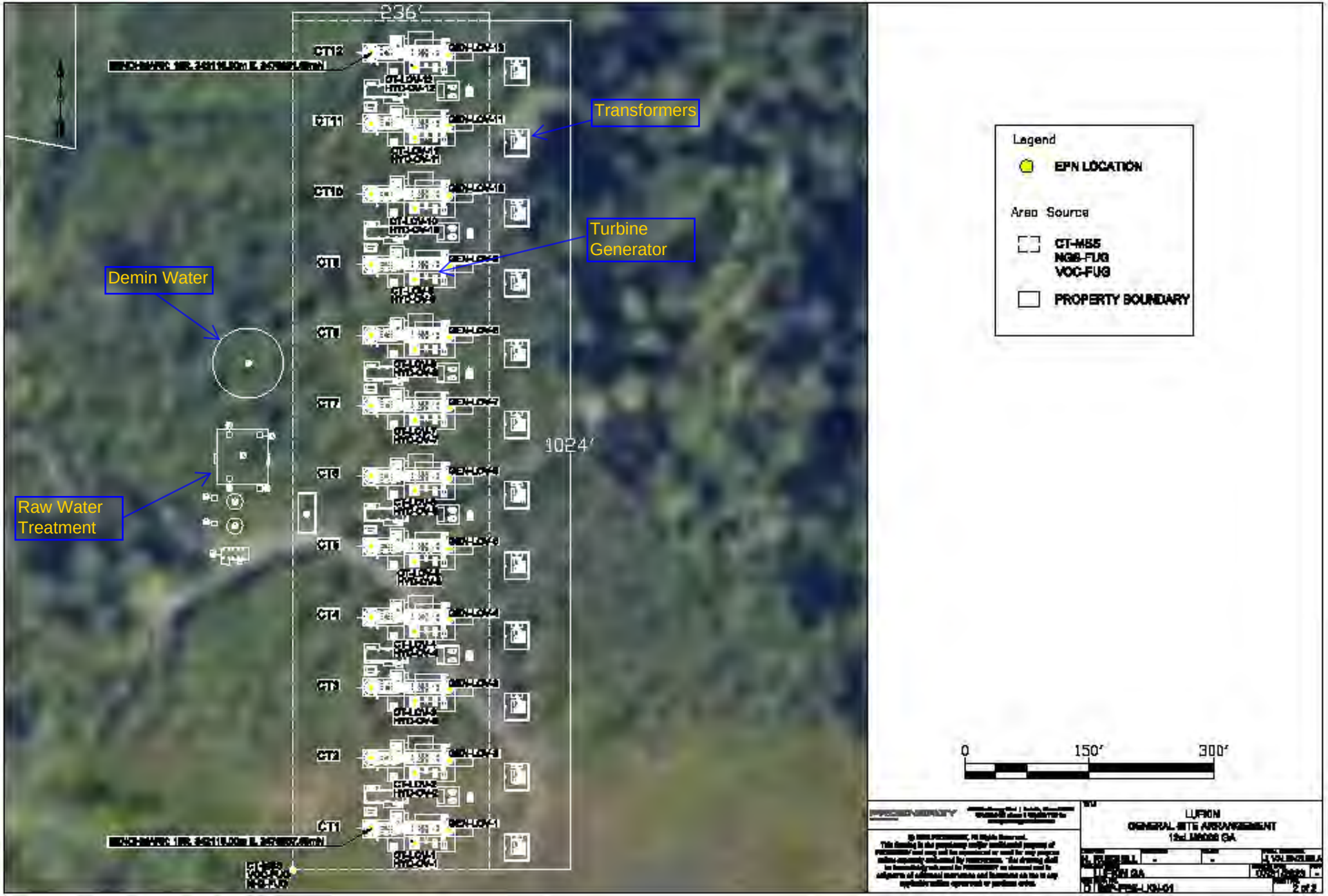

236'
1024'
CT12
CT11
CT10
CT9
CT8
CT7
CT6
CT5
CT4
CT3
CT2
CT1
Transformers
Turbine Generator
Demin Water
Raw Water Treatment
Legend
EPN LOCATION
Area Source
CT-MSS
NGB-FUG
VOC-FUG
PROPERTY BOUNDARY
0
150'
300'
LUFKIN
GENERAL SITE ARRANGEMENT

Figure A-1 Facility Water Balance

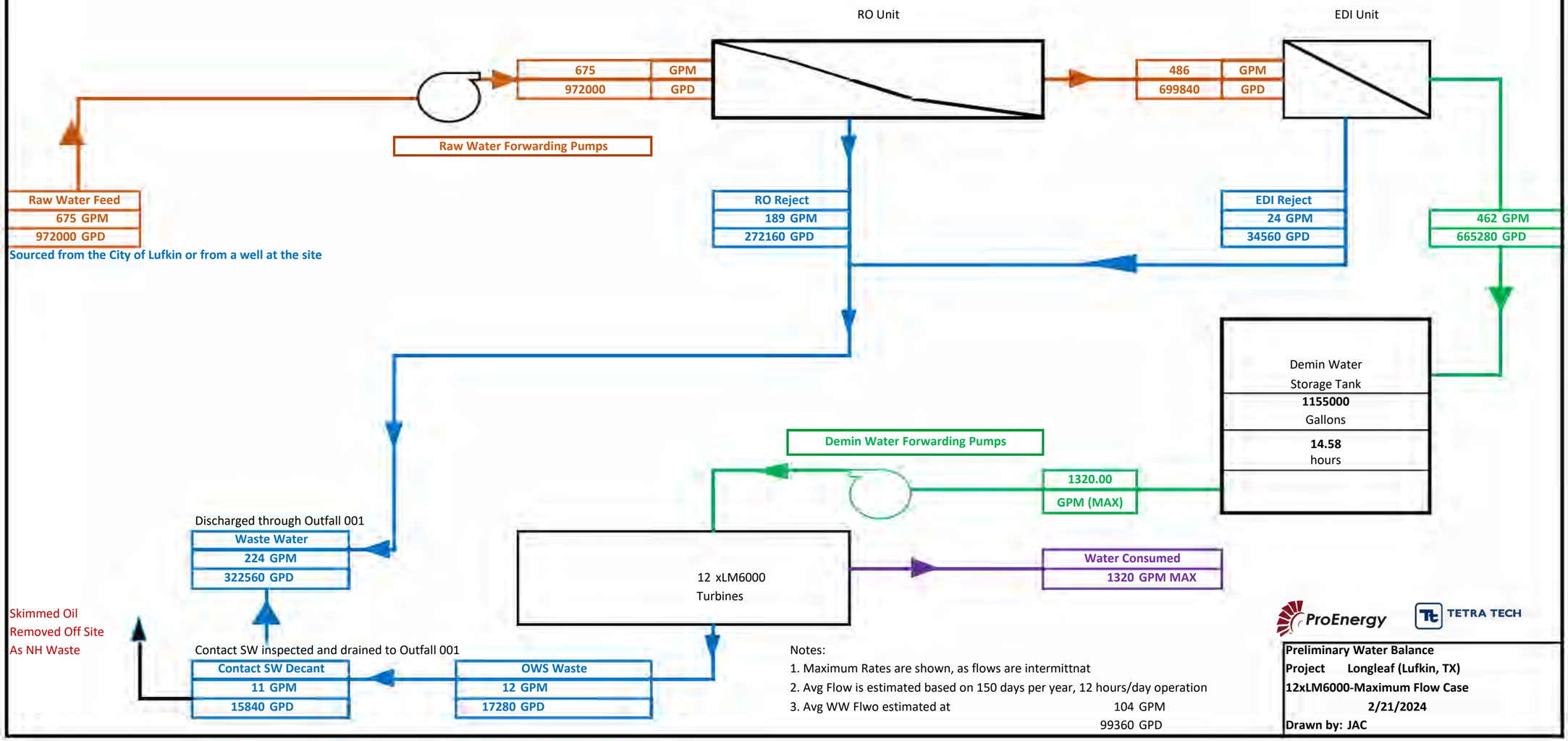
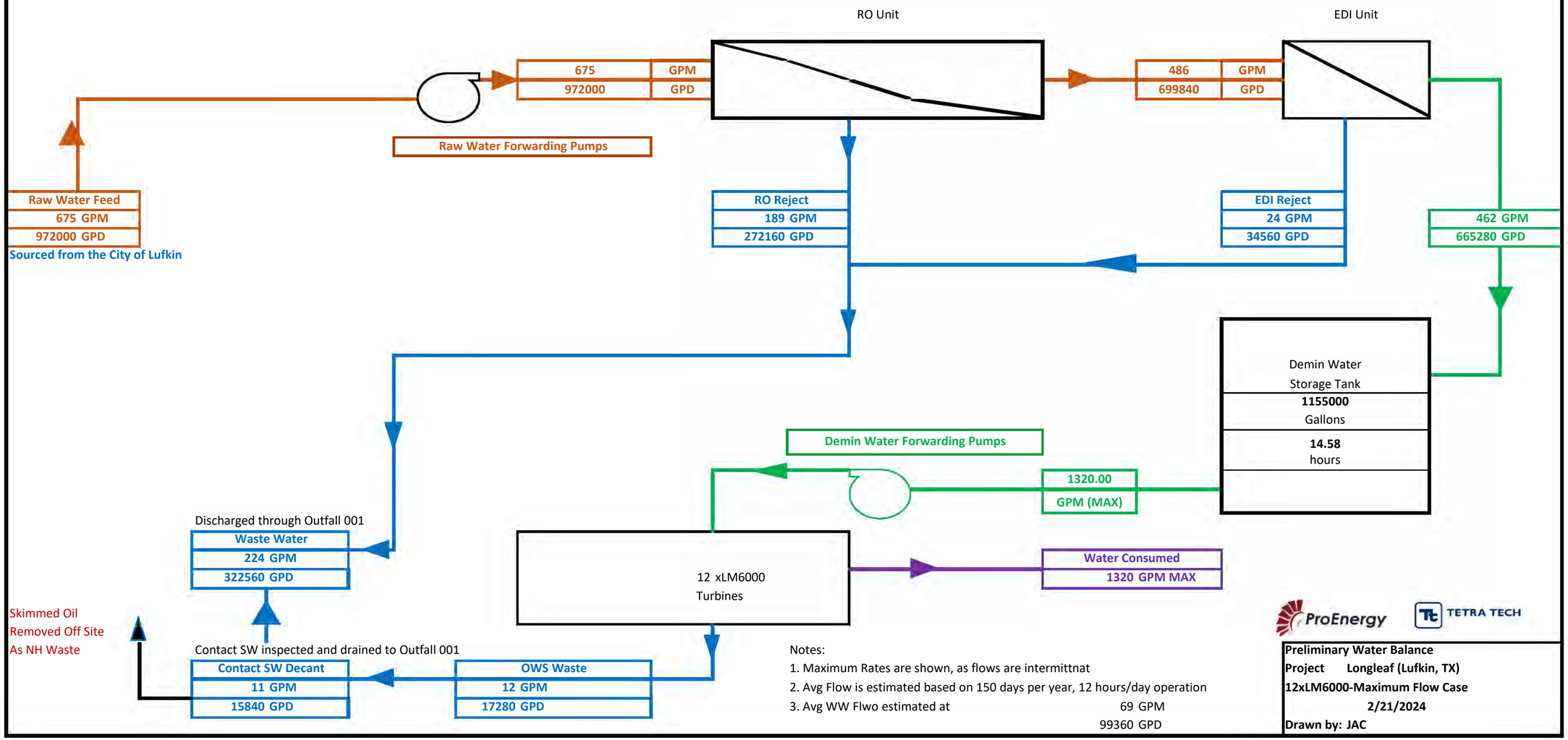


Figure A-1 Facility Water Balance



Notes:

1. Maximum Rates are shown, as flows are intermittnat
2. Avg Flow is estimated based on 150 days per year, 12 hours/day operation
3. Avg WW Flwo estimated at 69 GPM
   99360 GPD

Preliminary Water Balance
Project Longleaf (Lufkin, TX)
12xLM6000-Maximum Flow Case
2/21/2024
Drawn by: JAC