Administrative Package Cover Page

This file contains the following documents:

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

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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

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.

Luminant Mining Company LLC (CN603263773) operates Big Brown/Turlington Lignite Mining Area (RN103013892), a surface mining facility. The facility is located within a 20-mile radius of Fairfield Lake, which is approximately eleven miles north of the City of Fairfield on FM 2570, Freestone County, Texas 75840. Wastewaters from the facility are discharged to tributaries of or directly to Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtle Branch, Ball Branch, and Rocky Branch and Fairfield Lake; thence to Tehuacana Creek; thence to the Trinity River above Lake Livingston in Segment No. 0804 of the Trinity River Basin.

Discharges from the facility are expected to contain drainage, groundwater from mine pits and runoff from active and post-mine areas. Wastewater produced at the facility consists of mine drainage, surface water runoff from active mining areas and post mine runoff and is treated by sedimentation. A polyelectrolyte may be added directly into the surface impoundments or metered into the influent stream to enhance the settlings of suspended

solids, if necessary. The treated wastewater will be discharged to the receiving streams via appropriate outfalls.

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.

Luminant Mining Company LLC (CN603263773) opera Big Brown/Turlington Lignite Mining Area (RN103013892), una instalación de minería a cielo abierto. La instalación está ubicada dentro de un radio de 20 millas del lago Fairfield, que está aproximadamente a once millas al norte de la ciudad de Fairfield en FM 2570, condado de Freestone, Texas 75840. Las aguas residuales de la instalación se descargan a los afluentes de o directamente a Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtle Branch, Ball Branch y Rocky Branch y Fairfield Lake; de allí al arroyo Tehuacana; de allí hasta el río Trinity sobre el lago Livingston en el segmento n.° 0804 de la cuenca del río Trinity.

Se espera que las descargas de la instalación contengan drenaje, agua subterránea de pozos mineros y agua de pozos de drenaje. Las aguas residuales producidas en la instalación consisten en drenaje de la mina, escorrentía de aguas superficiales de áreas mineras activas y escorrentía posterior a la minería y se tratan mediante sedimentación. Se puede agregar un polielectrolito directamente a los estanques de sedimentación de sólidos en suspensión. Algunos estanques de aguas residuales tienen sumideros de clarificación asociados que no reciben escorrentía directa, pero sirven para tratar lotes de aguas residuales que se bombean hacia ellos desde los estanques. Las aguas residuales tratadas serán vertidas al río receptor mediante emisarios adecuados.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0002700000

APPLICATION. Luminant Mining Company LLC, 6555 Sierra Drive, Irving, Texas 75039, which owns a lignite surface mine, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0002700000 (EPA I.D. No. TX0000752) to authorize the discharge of treated wastewater at an intermittent and flow-variable rate. The facility is located approximately 3 miles northeast of the intersection of Farm-to-Market Road 833 and Farm-to-Market Road 2570, near the city of Fairfield, in Freestone County, Texas 75840. The discharge route is from the plant site via Outfalls 001M/R and 013M/R to Bear Creek, thence to Tehuacana Creek; via Outfall 002M/R to Harpers Branch, thence to Fairfield Lake, thence to Big Brown Creek, thence to Tehuacana Creek; via Outfall 003M/R to Hanna Branch, thence to Fairfield Lake, thence to Big Brown Creek, thence to Tehuacana Creek; via Outfalls 005M/R and 006M/R to Pin Oak Creek, thence to Cottonwood Creek, thence to Tehuacana Creek; via Outfalls 007M/R and 009M/R to Prairie Creek, thence to Tehuacana Creek; via Outfalls 012M/R, and 015M/R to an unnamed tributary, thence to Prairie Creek, thence to Tehuacana Creek; via Outfall 016M/R to Myrtal Branch, thence to Malone Branch, thence to Big Brown Creek, thence to Tehuacana Creek; via Outfall 017M/R to an unnamed tributary, thence to Ball Branch, thence to Fairfield Lake, thence to Big Brown Creek, thence to Tehuacana Creek; thence all outfalls into the Trinity River Above Lake Livingston. TCEQ received this application on October 8, 2024. The permit application will be available for viewing and copying at Freestone County Clerk's Office, Suite 1, 103 East Main Street, Fairfield, in Freestone County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.066666,31.821388&level=18

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

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After

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

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

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

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

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

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

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

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

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

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Luminant Mining Company LLC at the address stated above or by calling Mrs. Celi Fernandez, Environmental Manager, at 214-875-8956.

Issuance Date: November 7, 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
RENOVACION

PERMISO NO. WQ0002700000

SOLICITUD. Luminant Mining Company LLC, 6555 Sierra Drive, Irving, TX 75039 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0002700000 (EPA I.D. No. TX 0000752) 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 variable galones por día. La planta está ubicada aproximadamente 3 millas al noreste de la intersección de FM 833 y FM 2570 en el Condado de Freestone, Texas. La ruta de descarga es del sitio de la planta hasta los emisarios 001M/R y 013M/R hasta Bear Creek, de allí hasta Tehuacana Creek; a través del emisario 002M/R hasta Harpers Branch, de allí a Fairfield Lake, de allí a Big Brown Creek, de allí a Tehuacana Creek; a través del emisario 003M/R hasta Hanna Branch, de allí hasta Fairfield Lake, de allí hasta Big Brown Creek, de allí hasta Tehuacana Creek; vía los Emisarios 005M/R y 006M/R hasta Pin Oak Creek, de allí a Cottonwood Creek, de allí a Tehuacana Creek; vía los Emisarios 007M/R y 009M/R hasta Prairie Creek, de allí hasta Tehuacana Creek; a través de los emisarios 012M/R, 015M/R hasta un afluente sin nombre, de allí a Prairie Creek, de allí a Tehuacana Creek; vía el emisario 016M/R hasta Myrtal Branch, de allí a Malone Branch, de allí a Big Brown Creek, de allí a Tehuacana Creek; a través del emisario 017M/R hasta un afluente sin nombre, de allí a Ball Branch, de allí a Fairfield Lake, de allí a Big Brown Creek, de allí a Tehuacana Creek; desde allí todos los emisarios desembocan en el río Trinity sobre el lago Livingstone. La TCEQ recibió esta solicitud el 8 de Octubre 2024. La solicitud para el permiso estará disponible para leerla y copiarla en la oficina de Freestone County Clerk, Suite 1, 103 East Main Street, Fairfield, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud, incluidas las actualizaciones y los avisos asociados, están disponibles electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-96.066666,31.821388&level=18

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

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

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

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

planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

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

También se puede obtener información adicional del Luminant Mining Company LLC a la dirección indicada arriba o llamando a Celi Fernandez al 214-875-8956.

Fecha de emission 7 de noviembre de 2024

Abesha Michael

From: Le, Bryant <Bryant.Le@vistracorp.com>
Sent: Friday, October 25, 2024 11:39 AM
To: Abesha Michael
Cc: Fernandez, Celi
Subject: Application to Renew Permit No. WQ0002700000 - Notice of Deficiency Letter Comments
Attachments: Industrial Discharge Renewal Spanish NORI (002).docx

Follow Up Flag: Follow up
Flag Status: Flagged

Mr. Michael,

Below are my comments for the BB/TUR NORI and the translated NORI in spanish.

- Application, 1st paragraph, line 11: "via Outfall 004M/R to an unnamed tributary, thence to Cox Creek, thence to Cottonwood Creek, thence to Tehuacana Creek;" to be removed.
- Application, 1st paragraph, line 12: "oo6M/R" is noted. Should be "006M/R".
- Application, 1st paragraph, line 14: "010M/R," to be removed.
- Application, 2nd paragraph, line 2: "214-729-7911" is noted. Should be changed to "214-875-8956".

Let me know if there is anything that is needed.

Thanks,

Bryant Le
Environmental Specialist, Associate
Luminant, Environmental Services – Mining
6555 Sierra Dr. | Irving, TX 75039
Cell: 817-901-0691
Bryant.Le@vistracorp.com

Comisión de Calidad Ambiental del Estado de Texas

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

PERMISO NO. WQ0002700000

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

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

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

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

planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

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

Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso sin proveer una oportunidad de una audiencia administrativa de lo contencioso.

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

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

También se puede obtener información adicional del Luminant Mining Company LLC a la dirección indicada arriba o llamando a Celi Fernandez al 214-875-8956.

Fecha de emission _____ *[Date notice issued]*

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000
Major Amendment with Permit Renewal

Table of Contents

Attachments

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION CHECKLIST

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

APPLICANT NAME: Luminant Mining Company LLC

PERMIT NUMBER (If new, leave blank): WQ00 02700000

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: Luminant Mining Company LLC

Permit No.: WQ0002700000

EPA ID No.: TX00000752

Expiration Date: 4/24/2025

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: Remove 2 outfalls from the permit, outfall 004 and 010.

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: 722963 & 722964

Copy of voucher attachment: A – Application Submittal Fee

Item 2. Applicant Information (Instructions, Pages 26)

a. Customer Number, if applicant is an existing customer: CN603263773

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: Luminant Mining Company 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): Renee Collins

Title: Sr. Director Environmental Services Credential: Click to enter text.

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

☒ Yes ☐ No

[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

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: Attachment B

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: Mrs. Full Name (Last/First Name): Fernandez, Celi

Title: Environmental Manager Credential: Click to enter text.

Organization Name: Luminant Mining Company LLC

Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX, 75039

Phone No: 214-729-7911 Email: celi.fernandez@luminant.com

b. ☒ Administrative Contact ☐ Technical Contact

Prefix: Mr. Full Name (Last/First Name): Le, Bryant

Title: Environmental Specialist Credential: Click to enter text.

Organization Name: Luminant Mining Company LLC

Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX 75039

Phone No: 817-901-0691 Email: Bryant.le@vistracorp.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: Mrs. Full Name (Last/First Name): Fernandez, Celi
Title: Environmental Manager Credential: Click to enter text.
Organization Name: Luminant Mining Company LLC
Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX, 75039
Phone No: 214-729-7911 Email: celi.fernandez@luminant.com

b. Prefix: Mr. Full Name (Last/First Name): Le, Bryant
Title: Environmental Specialist Credential: Click to enter text.
Organization Name: Luminant Mining Company LLC
Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX, 75039
Phone No: 817-901-0691 Email: Bryant.Le@vistracorp.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: Mrs. Full Name (Last/First Name): Fernandez, Celi
Title: Environmental Manager Credential: Click to enter text.
Organization Name: Luminant Mining Company LLC
Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX 75039
Phone No: 214-729-7911 Email: celi.fernandez@luminant.com

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: Mr. Full Name (Last/First Name): Whitaker, Josh
Title: Environmental Director – Reporting Credential: Click to enter text.
Organization Name: Luminant – Environmental Services
Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX, 75039
Phone No: 214-875-8378 Email: josh.whitaker@luminant.com

Item 9. Notice Information (Instructions, Pages 28)

a. Individual Publishing the Notices

Prefix: Mrs. Full Name (Last/First Name): Fernandez, Celi

Title: Environmental Manager Credential: Click to enter text.

Organization Name: Luminant Mining Company LLC

Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX 75039

Phone No: 214-729-7911 Email: celi.fernandez@luminant.com

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: celi.fernandez@luminant.com & bryant.le@vistracorp.com

☐ Fax: Click to enter text.

☒ Regular Mail (USPS)

Mailing Address: 6555 Sierra Drive

City/State/Zip Code: Irving, TX 75039

c. Contact in the Notice

Prefix: Mrs. Full Name (Last/First Name): Fernandez, Celi

Title: Environmental Manager Credential: Click to enter text.

Organization Name: Luminant Mining Company LLC

Phone No: 214-729-7911 Email: celi.fernandez@luminant.com

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: Freestone County Clerk's Office Location within the building: Suite 1

Physical Address of Building: 103 East Main Street

City: Fairfield County: Freestone

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: C: Plain Language Summary

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: D: PIP Form

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

a. TCEQ issued Regulated Entity Number (RN), if available: RN103013892

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): Big Brown and Turlington Lignite Mining Areas

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: Luminant Mining Company LLC

Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX 75039

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

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: Luminant Mining Company LLC

Mailing Address: 6555 Sierra Drive City/State/Zip: Irving, TX, 75039

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: Click to enter text.

g. Owner of effluent TLAP disposal site (if applicable): N/A

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: N/A

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

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

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: N/A

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: F: USGS Composite Maps

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: N/A

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: Click to enter text.

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: Click to enter text.

f. City nearest the outfall(s): Fairfield

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

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: N/A

j. City nearest the disposal site: N/A

k. County in which the disposal site is located: N/A

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

m. For TLAPs, identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

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, Page 33)

Permit No: WQ0002700000

Applicant Name: Luminant Mining Company LLC

Certification: I, Renee Collins, 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): Renee Collins

Signatory title: Sr. Director Environmental Service

Signature: _____ Date: 9/26/2024
(Use blue ink)

Subscribed and Sworn to before me by the said Renee Collins

on this 26th day of September, 20 24.

My commission expires on the 29th day of August, 20 25.

Tish Goodspeed
Notary Public

Dallas
County, Texas

TISH GOODSPEED
My Notary ID # 129536032 [SEAL]
Expires August 29, 2025

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: N/A. No new property impacts

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

☐ Readable/Writeable CD ☐ Four sets of labels

Attachment: N/A

d. Provide the source of the landowners' names and mailing addresses: N/A

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: G – Outfall Photos

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: O – SPIF

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if mailing the payment. (Instructions, Page 36-37)

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

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

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

BY OVERNIGHT/EXPRESS MAIL

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

Fee Code: WQP **Permit No:** WQ000Click to enter text.

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

   Name of Project or Site: Click to enter text.

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

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

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Item 1. Individual information (Instructions, Page 38)

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

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

Full legal name (first, middle, and last): Click to enter text.

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

Date of Birth: Click to enter text.

Mailing Address: Click to enter text.

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

Phone No.: Click to enter text.

Fax No.: Click to enter text.

E-mail Address: Click to enter text.

CN: Click to enter text.

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

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).

Lignite Surface Mine

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

See attachment I: Description of wastewater generating process

[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
Lignite	Lignite	Lignite

Attachment: N/A

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: J – Facility Map

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: FEMA, Map Service Center Website – Freestone County

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: N/A

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: N/A

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.

The primary method of treatment for mine drainage will be sedimentation. A polyelectrolyte may be added directly into the surface impoundments or metered into the influent stream to enhance the settling of suspended solids, if necessary. Domestic waste water will be treated with OSSF. See attachment I: Description of Wastewater Generating process.

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: K – Water Flow Schematic

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)	See	Attachment:	L	
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: L – Impoundment Information

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: N/A

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: N/A

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: N/A

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: N/A

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)
	SEE ATTACHMENT H: OUTFALL LOCATION	

Outfall Location Description

Outfall No.	Location Description
001M/R, 013 M/R	Segment 0804 Trinity River via Bear Creek
002 M/R, 003 M/R	Segment0804 Trinity River via Big Brown Creek
005 M/R, 006 M/R	Segment 0804 Trinity River via Pin Oak Creek
007 M/R, 009 M/R, 012 M/R, 015 M/R	Segment 0804 Trinity River via Prairie Creek
016 M/R	Segment 0804 Trinity River via Myrtal Creek
017 M/R	Segment 0804 Trinity River via Ball Creek

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

Outfall No.	Description of sampling point
All Outfalls	Sampling points will be at the discharge location of each pond.

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)
All Outfalls	Variable	Variable	Variable	Variable	Variable
	All permitted	outfalls have	the same	flow info	

Outfall Discharge – Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
All outfalls	N	Y	Estimate

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
	All permitted outfalls	have the same methods	And measurements information

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)
All outfalls	Y	N	N	24	30	12
	All permitted	outfalls have	the same	discharge	flow	characteristics

Outfall Wastestream Contributions

Outfall No. <u>001-002M, 005-007M, 009M, 012-013M, 015-017M</u>

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Active Mine Drainage	Variable	Variable
Groundwater Seepage from mine pits	Variable	Variable
Dewatering wells	Variable	Variable
Surface water runoff from active mining areas	Variable	Variable
Active Mine Ponds		

Outfall No. <u>001-003R, 005-009R, 012—13R, 015-017R</u>

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Surface water runoff from post-mine areas	Variable	Variable
Postmine Ponds		

Outfall No. **003M**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Active Mining Drainage	Variable	Variable
Groundwater Seepage from Mine Pits	Variable	Variable
Dewatering wells	Variable	Variable
Surface water runoff from active mining areas	Variable	Variable
Runoff from bottom ash disposal areas	Variable	Variable

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: N/A

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.
Palestine Sewage Treatment Plant	WQ001244-001 &-002
Groesbeck WWP & Herne WWTP	WQ10182-001 & WQ10046-002

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: N/A

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: N/A

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.

Remove outfalls 004 and 010

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: Renee Collins

Title: Sr. Director Environmental Services

Signature: Renee Collins

Date: 9/26/2024

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
Coal Mining Point Source Category	434

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
Not applicable			

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
Not applicable			

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

N/A

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.

Process Wastewater: Mine drainage, coal preparation plants and associated areas, post-mine reclamation area, Post-mining underground mine drainage. Additionally, for outfall 003M only, run-off from bottom ash disposal area.

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
Alkaline mine drainage from active mine areas	434	D	1975
Post-mine reclamation areas	434	E	1975

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): 06/24/2024 -7/15/2024

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:** M – Lab Accreditation

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	See	Attachment	N: Sample	Data
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				

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
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	See	Attachment	N: Sample	Data	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	See	Attachment	N: Sample	Data	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	See	Attachment	N: Sample	Data	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
Endosulfan I (*alpha*)					0.01

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
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)	☐	☐	See	Attachment	N: Sample	Data	—
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
1,1,1-Trichloroethane					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
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
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
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
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
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
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
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

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
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 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: N/A 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: N/A

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: N/A

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: Bear Creek – 001M/R and 013M/R

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: Tehuacana Creek, Trinity River

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: Intermittent streams. At dry periods of the year there is no water

Date and time of observation: June 2024

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: Click to enter text.

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

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Big Brown Creek – 002M/R and 003M/R

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: Big Brown Creek above and below Fairfield Lake, Fairfield Lake, Trinity River

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: Fairfield Lake

f. General observations of the water body during normal dry weather conditions: Intermittent streams. At dry periods of the year there is no water.

Date and time of observation: June 2024

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: Click to enter text.

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

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Pin Oak Creek – 005M/R and 006M/R

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: Tehuacana Creek, Trinity River

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: Intermittent streams. At dry periods of the year there is no water

Date and time of observation: June 2024

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: Click to enter text.

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

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Prairie Creek – 007M/R, 009M/R, 012M/R, 015M/R

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: Tehuacana Creek, Trinity River

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: Intermittent streams. At dry periods of the year there is no water

Date and time of observation: June 2024

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: Click to enter text.

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

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Myrtal Branch – 016M/R

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: Big Brown Creek, Tehuacana Creek

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: Intermittent streams. At dry periods of the year there is no water

Date and time of observation: June 2024

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: Click to enter text.

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

Item 4. Description of Immediate Receiving Waters (Instructions, Page 80)

a. Name of the immediate receiving waters: Ball Branch – 017M/R

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: Fairfield Lake, Big Brown Creek below the lake

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: Lake Fairfield

f. General observations of the water body during normal dry weather conditions: Intermittent streams. At dry periods of the year there is no water

Date and time of observation: June 2024

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: Click to enter text.

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 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: Palestine Sewage Treatment Plant; Groesbeck WWTP; Hearne WWTP

TCEQ Permit/Registration Number: WQ001244-001 and -002; WQ10182-001; WQ10046-002

County where disposal site is located: Anderson, Limestone, Robertson County

c. Method of sewage sludge transportation:

☒ truck ☐ train ☐ pipe ☐ other: Click to enter text.

TCEQ Hauler Registration Number: Depend-a-Can/Septic King #21009

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.

Attachment A

Copy of Application Submittal Fee

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

TCEQ ePay Receipt

Transaction Information

Trace Number:	582EA000626938
Date:	09/26/2024 01:02 PM
Payment Method:	CC - Authorization 0000043232
ePay Actor:	BRYANT LE
TCEQ Amount:	$1,215.00
Texas.gov Price::	$1,242.59*

* This service is provided by Texas.gov, the official website of Texas. The price of this service includes funds that support the ongoing operations and enhancements of Texas.gov, which is provided by a third party in partnership with the State.

Payment Contact Information

Name:	TISH GOODSPEED
Company:	LUMINANT MINING COMPANY LLC
Address:	6555 SIERRA DRIVE, IRVING, TX 75039
Phone:	214-803-1152

Cart Items

Voucher	Fee Description	AR Number	Amount
722963	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL		$1,200.00
722964	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE		$15.00
		TCEQ Amount:	**$1,215.00**

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	722963
Trace Number:	582EA000626938
Date:	09/26/2024 01:02 PM
Payment Method:	CC - Authorization 0000043232
Voucher Amount:	$1,200.00
Fee Type:	WW PERMIT - MINOR FACILITY SUBJECT TO 40 CFR 400-471 - RENEWAL
ePay Actor:	BRYANT LE

Payment Contact Information

Name:	TISH GOODSPEED
Company:	LUMINANT MINING COMPANY LLC
Address:	6555 SIERRA DRIVE, IRVING, TX 75039
Phone:	214-803-1152

Site Information

Site Name:	BIG BROWN AND TURLINGTON LIGNITE MINING AREAS
Site Location:	APPROXIMATELY 3 MILES NORTHEAST OF THE INTERSECTION OF FM 833 AND FM 2570

Customer Information

Customer Name:	LUMINANT MINING COMPANY LLC
Customer Address:	6555 SIERRA DRIVE, IRVING, TX 75039

Other Information

Program Area ID:	WQ0002700000

TCEQ ePay Voucher Receipt

Transaction Information

Voucher Number:	722964
Trace Number:	582EA000626938
Date:	09/26/2024 01:02 PM
Payment Method:	CC - Authorization 0000043232
Voucher Amount:	$15.00
Fee Type:	30 TAC 305.53B WQ RENEWAL NOTIFICATION FEE
ePay Actor:	BRYANT LE

Payment Contact Information

Name:	TISH GOODSPEED
Company:	LUMINANT MINING COMPANY LLC
Address:	6555 SIERRA DRIVE, IRVING, TX 75039
Phone:	214-803-1152

Attachment B

Core Data Form

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

TCEQ Use Only

TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☐ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☒ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 603263773		**RN 103013892**

SECTION II: Customer Information

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

☐ New Customer ☐ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

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

Luminant Mining Company LLC

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
800878300	17529678215	752967821	

11. Type of Customer: ☒ Corporation ☐ Individual Partnership: ☐ General ☐ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

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

13. Independently Owned and Operated?
☐ **Yes** ☒ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	6555 SIerra Drive							
	City	Irving	**State**	TX	**ZIP**	75039	**ZIP + 4**	2479

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	Renee.Collins@luminant.com

18. Telephone Number	**19. Extension or Code**	**20. Fax Number** *(if applicable)*

(214) 875-8338		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☐ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

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

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

Big Brown and Turlington Lignite Mining Area

23. Street Address of the Regulated Entity: ***(No PO Boxes)***							
	City		**State**		**ZIP**		**ZIP + 4**
24. County	Freestone						

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

25. Description to Physical Location:	Approximately 3 miles northeast of the intersection of FM 833 and FM 2570				
26. Nearest City			**State**	**Nearest ZIP Code**	
Fairfield			TX	75840	

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

27. Latitude (N) In Decimal:			**28. Longitude (W) In Decimal:**		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
31	49	17	96	04	00

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
1221		212111	

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

Lignite Coal Mining

34. Mailing Address:	**c/o Environmental Services**						
	6555 Sierra Drive						
	City	**Irving**	**State**	**TX**	**ZIP**	**75039**	**ZIP + 4**	**2479**
35. E-Mail Address:							

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

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

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☒ Industrial Hazardous Waste
				TXD000821272, 34681
☐ Municipal Solid Waste	☒ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
	35979, 109565			
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:
	TX0000752, 2E0000220, WWQ000270000			

SECTION IV: Preparer Information

40. Name:	Bryant Le	41. Title:	Environmental Specialist

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(817) 901-0691		( ) -	Bryant.Le@vistracorp.com

SECTION V: Authorized Signature

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

Company:	Luminant Mining Company LLC	Job Title:	Sr. Director Environmental Services
Name *(In Print)*:	Renee Collins	Phone:	(214) 875- 8338
Signature:	Renee Collins	Date:	9/26/2024

VISTRA

Vistra Corp.
6555 Sierra Drive
Irving, TX 75039

O 214-875-8996

Texas Commission on Environmental Quality
12100 Park 35 Circle
Austin, Texas 78753

Re: Delegation of Administrative Authority for Vistra Corp.

This letter confirms the signatory authority for environmental matters related to the subsidiary entities of Vistra Operations Company LLC, which is a subsidiary of Vistra Corp.

Vistra Operations Company LLC hereby authorizes Renee Collins, Senior Director – Environmental Services, to act in the following capacities as it relates to administrative issues related to the below listed subsidiaries: Authorized Responsible Official and Alternate Designated Representative; as well, Ms. Collins has signatory authority for all air, water and waste permitting activities, and for water rights and water quality regulatory submissions. Those subsidiaries for which Ms. Collins has signatory authority are: Luminant Mining Company LLC, Luminant Generation Company LLC, La Frontera Holdings, LLC, Sandow Power Company LLC, Oak Grove Management Company LLC, Coleto Creek Power, LLC, Brightside Solar, LLC, Emerald Grove, LLC, and Core Solar SPV I, LLC.

Vistra Operations Company LLC hereby authorizes Renee Collins, Senior Director – Environmental Services, to act in the following capacities as it relates to administrative issues related to the below listed Vistra Corp. subsidiaries: Duly Authorized Representative and Alternate Designated Representative; as well, Ms. Collins has signatory authority for all air, water and waste permitting activities, and for water rights and water quality regulatory submissions. Those subsidiaries for which Ms. Collins has signatory authority are: Ennis Power Company LLC, Hays Energy, LLC and Midlothian Energy, LLC.

Vistra Operations Company LLC hereby authorizes Renee Collins, Senior Director – Environmental Services, to act in the following capacities as it relates to administrative issues related to the below listed Vistra Corp. subsidiaries: Alternate Designated Representative; as well, Ms. Collins has signatory authority for all air, water and waste permitting activities, and for water rights and water quality regulatory submissions. Those subsidiaries for which Ms. Collins has signatory authority are: Wise County Power Company, LLC.

This delegation of authority is effective as of April 22, 2022, supersedes all previous delegations for this responsibility, and is valid until revoked or revised by Vistra Operations Company LLC.

I, Barry Boswell, being Executive Vice President—Generation Operations and Services of Vistra Operations Company LLC, the parent company to each of the above listed entities, and designee in charge of business functions, policy or decision-making functions for solar, battery, and fossil operations, hereby delegate authority, as detailed herein, to Renee Collins, Senior Director – Environmental Services.

Barry Boswell 4/26/2022

Signature Date

cc: David Mitchell – Senior Counsel

Attachment C

Plain Language Summary

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

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.

Luminant Mining Company LLC (CN603263773) operates Big Brown/Turlington Lignite Mining Area (RN103013892), a surface mining facility. The facility is located within a 20-mile radius of Fairfield Lake, which is approximately eleven miles north of the City of Fairfield on FM 2570, Freestone County, Texas 75840. Wastewaters from the facility are discharged to tributaries of or directly to Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtle Branch, Ball Branch, and Rocky Branch and Fairfield Lake; thence to Tehuacana Creek; thence to the Trinity River above Lake Livingston in Segment No. 0804 of the Trinity River Basin.

Discharges from the facility are expected to contain drainage, groundwater from mine pits and runoff from active and post-mine areas. Wastewater produced at the facility consists of mine drainage, surface water runoff from active mining areas and post mine runoff and is treated by sedimentation. A polyelectrolyte may be added directly into the surface impoundments or metered into the influent stream to enhance the settlings of suspended

solids, if necessary. The treated wastewater will be discharged to the receiving streams via appropriate outfalls.

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.

Luminant Mining Company LLC (CN603263773) opera Big Brown/Turlington Lignite Mining Area (RN103013892), una instalación de minería a cielo abierto. La instalación está ubicada dentro de un radio de 20 millas del lago Fairfield, que está aproximadamente a once millas al norte de la ciudad de Fairfield en FM 2570, condado de Freestone, Texas 75840. Las aguas residuales de la instalación se descargan a los afluentes de o directamente a Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtle Branch, Ball Branch y Rocky Branch y Fairfield Lake; de allí al arroyo Tehuacana; de allí hasta el río Trinity sobre el lago Livingston en el segmento n.° 0804 de la cuenca del río Trinity.

Se espera que las descargas de la instalación contengan drenaje, agua subterránea de pozos mineros y agua de pozos de drenaje. Las aguas residuales producidas en la instalación consisten en drenaje de la mina, escorrentía de aguas superficiales de áreas mineras activas y escorrentía posterior a la minería y se tratan mediante sedimentación. Se puede agregar un polielectrolito directamente a los estanques de sedimentación de sólidos en suspensión. Algunos estanques de aguas residuales tienen sumideros de clarificación asociados que no reciben escorrentía directa, pero sirven para tratar lotes de aguas residuales que se bombean hacia ellos desde los estanques. Las aguas residuales tratadas serán vertidas al río receptor mediante emisarios adecuados.

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.

Attachment D

PIP Form

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

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.

A Public Involvement Plan may not be applicable for this application because there has been no prior public interest or issues related to previous TPDES permit renewals with the Texas Commission on Environmental Quality (TCEQ) or renewals of the Surface Mining Permit with Railroad Commission of Texas. The mine site currently is in the reclamation phase and there will not be an increase in wastewater that would impact the public that would warrant a formal public involvement plan other than what is required in the TPDES renewal process.

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.

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.

(City)

(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

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

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

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

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

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

☐ Yes ☐ No

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

☐ Yes ☐ No

If Yes, please describe.

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

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

☐ Yes ☐ No

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

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

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ TCEQ Regional Office ☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

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

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

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

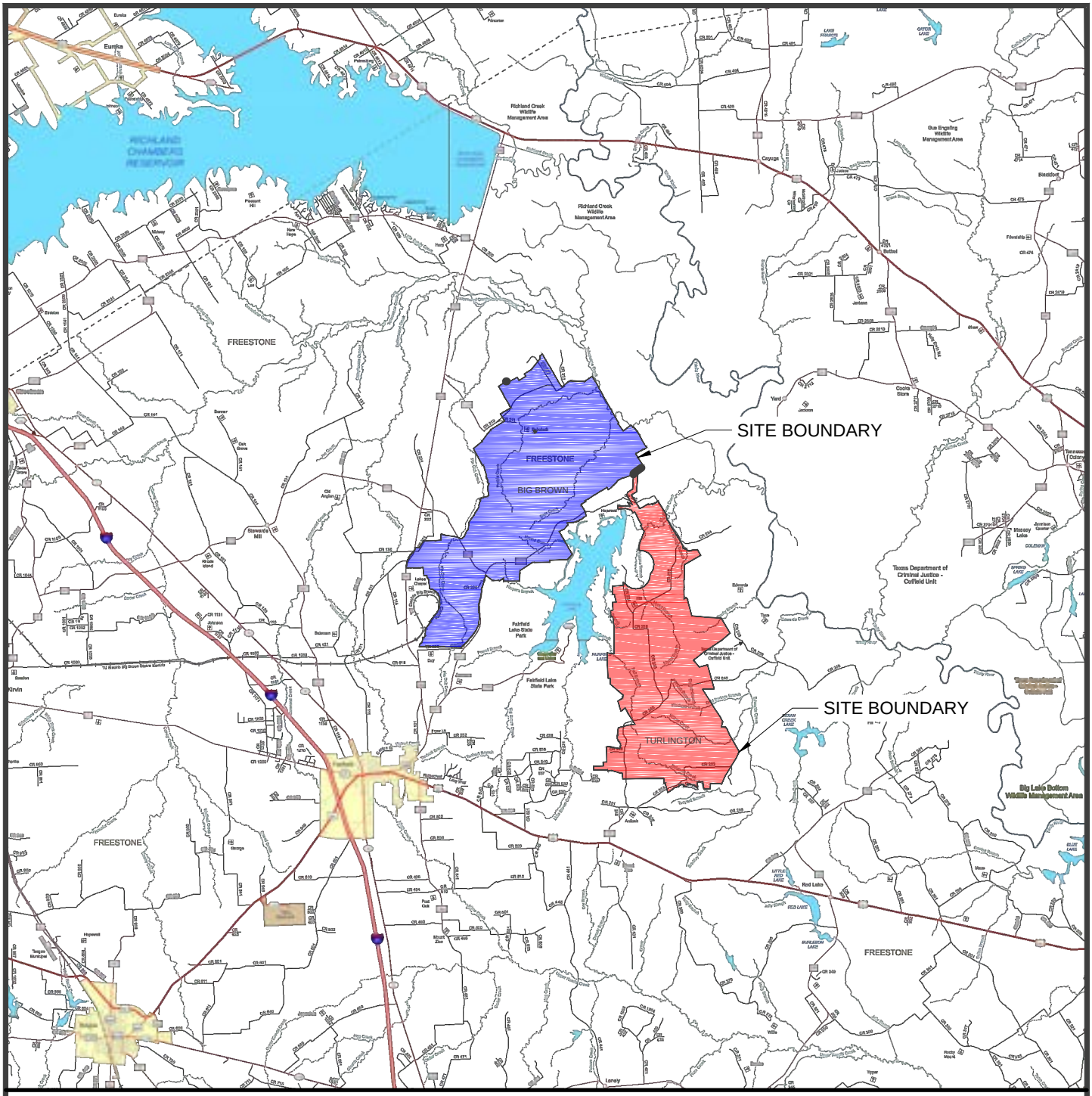
☐ Mailed by TCEQ's Office of the Chief Clerk

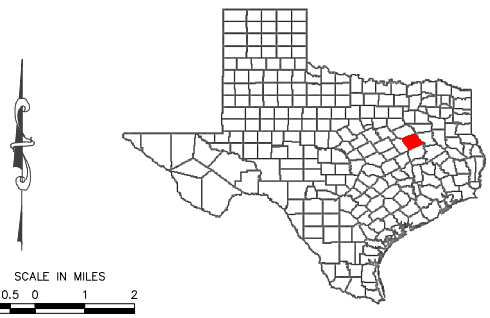
☐ Other (specify)

Attachment E

Site Location Map

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000





SCALE IN MILES
1 0.5 0 1 2

DATE OF PHOTOGRAPHY 2012

Attachment E

Site Location Map
Big Brown/Turlington Lignite Mining Area
Freestone County, Texas

CH2MHILL *Engineers, Inc.*

Attachment F

USGS Maps and USGS Composite Maps

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- STUDY AREA BOUNDARY
- 1 MILE BOUNDARY
- 3 MILE DISCHARGE ROUTE

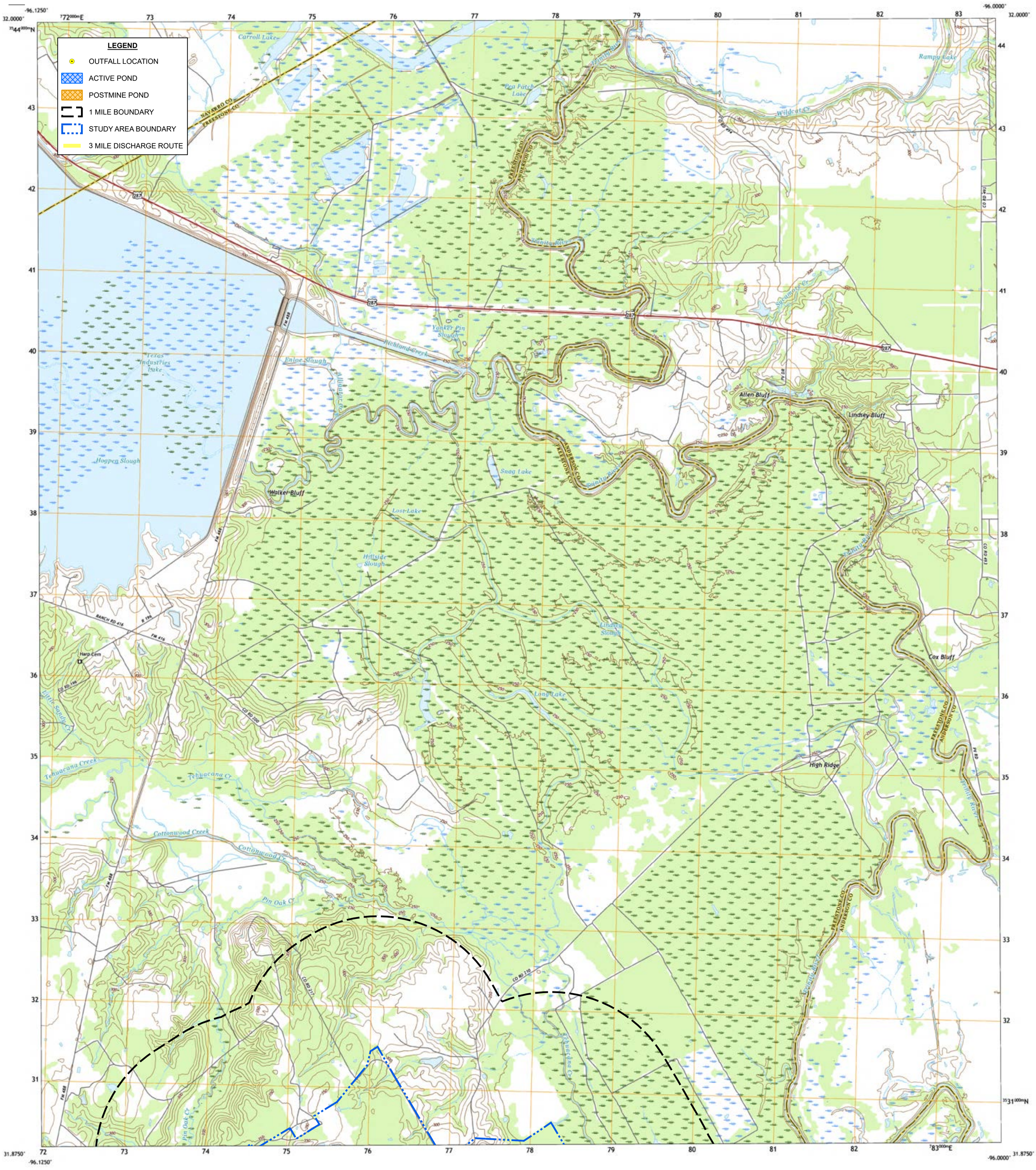
C-104
OUTFALL 009R
C-255
OUTFALL 015R
OUTFALL 012R
WC-2
C-66
OUTFALL 007R
C-44
OUTFALL 013R
OUTFALL 001R
C-67
OUTFALL 006R
C-30
C-177
OUTFALL 003M
OUTFALL 005R
B-62
C-174
OUTFALL 002R
OUTFALL 016M
D-4/D-1
D-2
OUTFALL 017R

BIG BROWN/TURLINGTON MINE
STUDY AREA
USGS COMPOSITE
SEP 2024
TPDES PERMIT WQ0002700000

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

The National Map US Topo

ROUSTABOUT CAMP 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 14R

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
Names	GNIS,	1979 - 1991
Hydrography	National Hydrography Dataset,	2002 - 2022
Contours	National Elevation Dataset,	2019
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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.

TEXAS
QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Goodlow Park
2 Creslenn Ranch
3 Cross Roads
4 Winkler
5 Cayuga
6 Stewards Mill
7 Young
8 Yard

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Big Brown Mine
D-1 (1 of 6)

ROUSTABOUT CAMP, TX
2022
TPDES PERMIT NO. WQ0002700000

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

The National Map US Topo

STEWARDS MILL QUADRANGLE
TEXAS - FREESTONE COUNTY
7.5-MINUTE SERIES

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- 1 MILE BOUNDARY
- STUDY AREA BOUNDARY
- 3 MILE DISCHARGE ROUTE

TPDES-005
B-62

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 14R
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.

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Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

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ADJOINING QUADRANGLES
1 Streetman
2 Winkler
3 Roustabout Camp
4 Kirvin
5 Young
6 Teague North
7 Fairfield
8 Turlington

ROAD CLASSIFICATION
Expressway, Secondary Hwy, Ramp, Interstate Route, Local Connector, Local Road, 4WD, US Route, State Route

Big Brown Mine
D-1 (2 OF 6)

STEWARDS MILL, TX
2022

TPDES PERMIT NO. WQ0002700000

USGS science for a changing world

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

The National Map US Topo

YOUNG QUADRANGLE
TEXAS
7.5-MINUTE SERIES

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- 1 MILE BOUNDARY
- STUDY AREA BOUNDARY
- 3 MILE DISCHARGE ROUTE

OUTFALL 009R
C-104
C-255
OUTFALL 015R
OUTFALL 012R
WC-2
C-66
OUTFALL 007R
C-44
OUTFALL 013R
OUTFALL 001R
C-67
OUTFALL 006R
C-30
C-177
OUTFALL 003M
OUTFALL 005R
B-62
C-174
OUTFALL 002R
OUTFALL 016M
D-4/D-1
D-2
OUTFALL 017R

Young
Rehoboth Cem
Hickory Grove Cem
Chancellor Union Cem
Fairfield Lake
Timber Lake
Couch Lake

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 14R

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	
Names	GNIS, 1979 - 2022	
Hydrography	National Hydrography Dataset, 2002 - 2022	
Contours	National Elevation Dataset, 2019	
Boundaries	Multiple sources; see metadata file 2019 - 2021	
Wetlands	FWS National Wetlands Inventory Not Available	

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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.

ADJOINING QUADRANGLES
1 Winkler
2 Roustabout Camp
3 Cayuga
4 Stewards Mill
5 Yard
6 Fairfield
7 Turlington
8 Butler

ROAD CLASSIFICATION
Expressway, Secondary Hwy, Ramp, Local Connector, Local Road, 4WD
Interstate Route, US Route, State Route

Big Brown/Turlington Mine
D-1 (3 of 6)

YOUNG, TX
2022
TPDES PERMIT NO. WQ0002700000

USGS science for a changing world

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

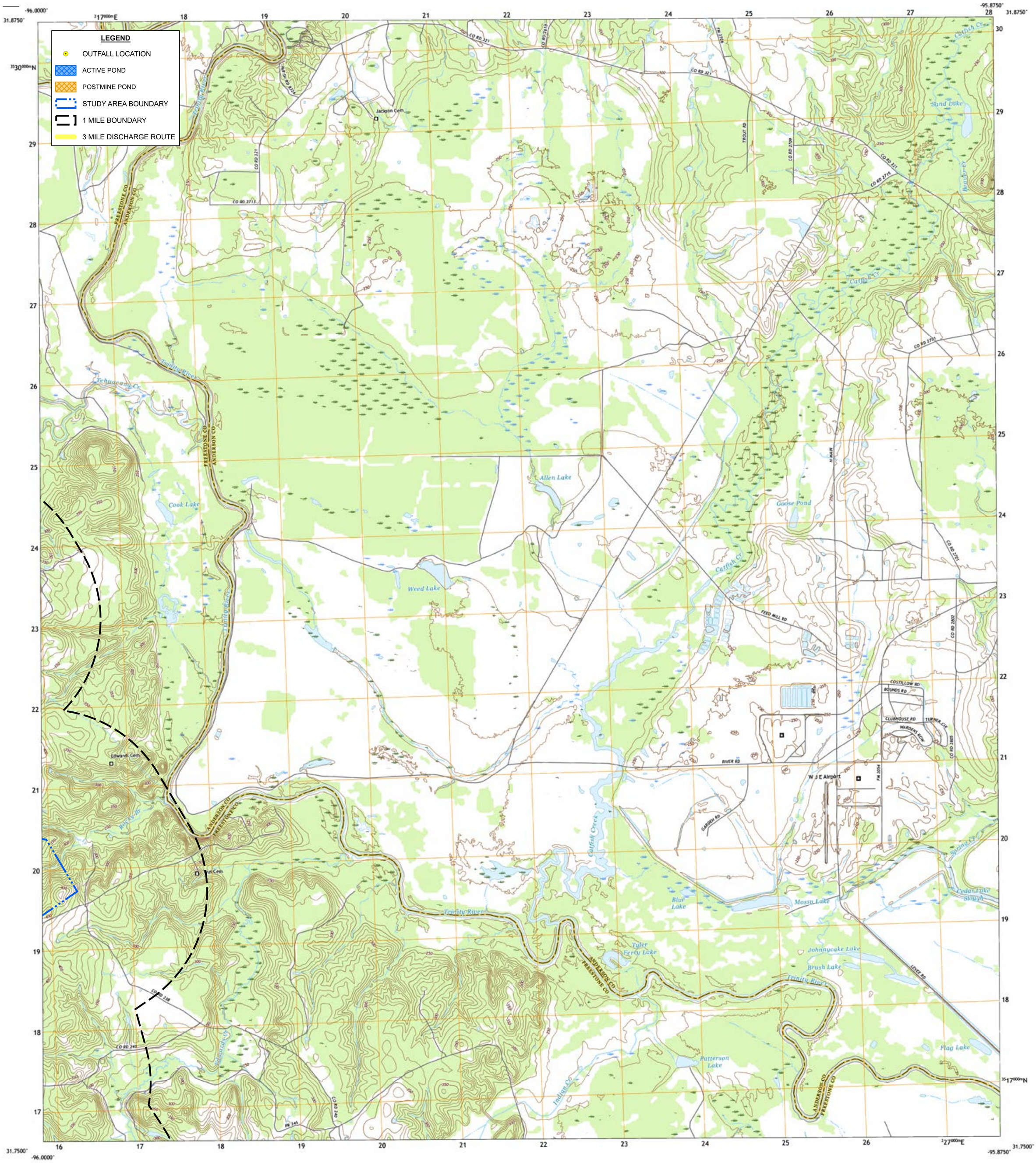
The National Map US Topo

YARD QUADRANGLE
TEXAS
7.5-MINUTE SERIES

-96.0000° 31.8750° -95.8750° 31.8750°

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- STUDY AREA BOUNDARY
- 1 MILE BOUNDARY
- 3 MILE DISCHARGE ROUTE



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 14R\15R

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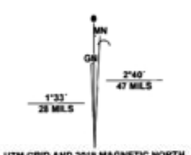
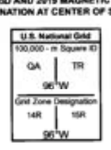
Imagery	NAIP,	October 2016 - November 2016
Roads	U.S. Census Bureau,	2015 - 2018
Names	GNIS,	1979
Hydrography	National Hydrography Dataset,	2002 - 2018
Contours	National Elevation Dataset,	2018 - 2019
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



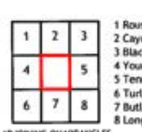
SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1 MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

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



1 Roustabout Camp
2 Cayuga
3 Blackfoot
4 Young
5 Tennessee Colony
6 Turlington
7 Butler
8 Long Lake

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Turlington Mine
D-1 (4 OF 6)

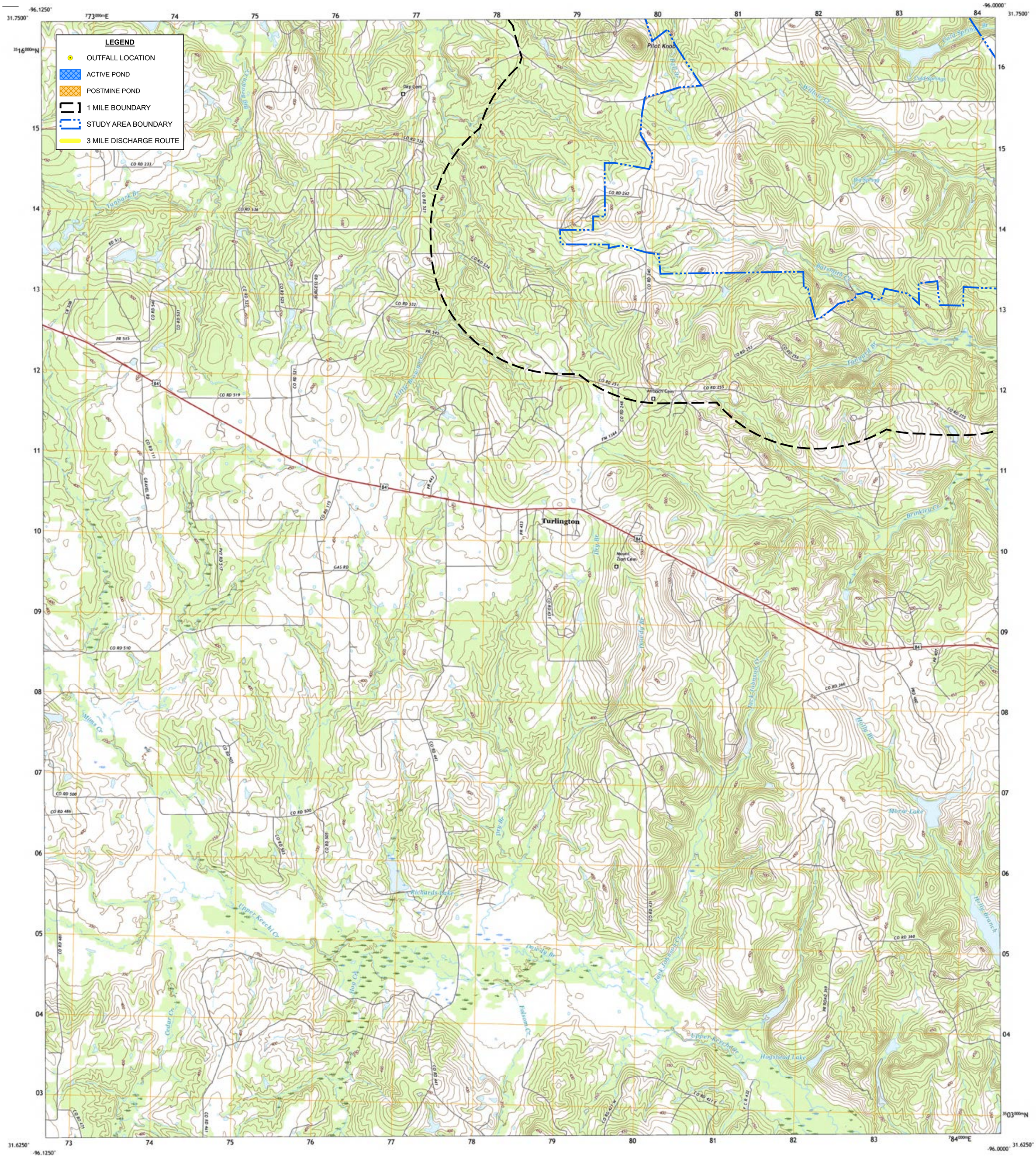
YARD, TX
2022

TPDES PERMIT NO. WQ0002700000

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

The National Map US Topo

TURLINGTON QUADRANGLE
TEXAS - FREESTONE COUNTY
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 14R
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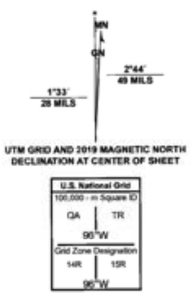
Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015 - 2018
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2002 - 2022
Contours	National Elevation Dataset, 2019
Boundaries	Multiple sources; see metadata file 2019 - 2021
Wetlands	FWS National Wetlands Inventory Not Available



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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 Stewards Mill
2 Young
3 Yard
4 Fairfield
5 Butler
6 Dew
7 Lanely
8 Keechi

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Turlington Mine
D-1 (5 of 6)

TURLINGTON, TX
2022

TPDES PERMIT NO. WQ0002700000

USGS science for a changing world

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

The National Map US Topo

BUTLER QUADRANGLE
TEXAS
7.5-MINUTE SERIES

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- 1 MILE BOUNDARY
- STUDY AREA BOUNDARY
- 3 MILE DISCHARGE ROUTE

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 14R\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
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2002 - 2022
Contours	National Elevation Dataset, 2019
Boundaries	Multiple sources; see metadata file 2019 - 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
QA | TR
96°W
Grid Zone Designation
14R | 15R
96°W

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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

1	2	3
4		5
6	7	8

1 Young
2 Yard
3 Tennessee Colony
4 Turlington
5 Long Lake
6 Lanely
7 Keechi
8 Oakwood

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Turlington Mine
D-1 (6 of 6)

BUTLER, TX
2022

TPDES PERMIT NO. WQ0002700000

Attachment G

Outfall Photographs

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

Luminant Mining Company LLC

TPDES Renewal WQ0002700000

Big Brown-Turlington Mine

Big Brown

Outfall 003-M, C-177 Pond, looking down stream to the south.

Outfall 003-M, C-177 pond, looking upstream to the North.

Outfall 001-R, C-67 Pond, looking downstream to the North.

Outfall 001-R, C-67 Pond, looking upstream to the South.

Turlington

Outfall 016-M, D-4 Pond, looking downstream to the Northwest.

Outfall 016-M, D-4 Pond, looking upstream to the Southeast.

Outfall 017-R, D-2 Pond, looking downstream to the South.

Outfall 017-R, D-2 Pond, looking upstream to the North.

Attachment H

Outfall Location

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

Big Brown - Turlington Mines
Final Discharge Outfalls -Renewal 2024
TPDES Permit No. 02700

Last Update June 10th, 2024

c_envsvc(\\mdcshrnasp01)(K:)\iimj\Excel\All Sites\Waste Water\TCEQ Permit Final Discharge Pond Lists.xlsx

Current

Pond No.	TPDES Outfall	Outfall Type	Receiving Stream:	Latitude	Longitude	Pond Type		
						Active	Post Mine	Future
C-67	001	Reclamation / Post Mine (R)	Bear Cr-Trinity Segment 804	31º 51' 17"	96º 02' 50"		X	
C-174	002	Reclamation / Post Mine (R)	Big Brown Cr.- Trinity Sement 804	31º 48' 04"	96º 05' 51"		x	
C-177	003	Mining / Active (M)	Big Brown Cr - Trinity Segment 804	31º 48' 50"	96º 04' 25"	x		
B-62	005	Reclamation / Post Mine (R)	Pin Oak Cr - Trinity Segment 804	31º 48' 38"	96º 07' 26"		x	
C-30	006	Reclamation / Post Mine (R)	Pin Oak Cr - Trinity Segment 804	31º 49' 46"	96º 06' 30"		x	
C-44	007	Reclamation / Post Mine (R)	Prairie Cr - Trinity Segment 804	31º 51' 32"	96º 05' 18"		x	
C-104	009	Reclamation / Post Mine (R)	Prairie Cr - Trinity Segment 804	31º 52' 13"	96º 03' 44"		x	
CII-2	011	Reclamation / Post Mine (R)	Prairie Cr - Trinity Segment 804	31º 52' 01"	96º 04' 22"			
C-66	013	Reclamation / Post Mine (R)	Bear Cr - Trinity Segment 804	31º 51' 33"	96º 02' 54"		x	
C-87	014	Reclamation / Post Mine (R)	Tehuacana Cr - Trinity Segment 804	31º 52' 04"	96º 03' 28"		x	
D-4/D-1	016	Mining / Active (M)	Myrtal Branch - Trinity Segment 804	31º 47' 13"	96º 01' 49"	x		
D-2	017	Reclamation / Post Mine (R)	Ball Branch - Trinity Segment 804	31º 45' 58"	96º 02' 21"		x	

Attachment I

Description of Wastewater Generating Process

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

Attachment I

Luminant Mining Company LLC (owner/operator)
Big Brown/Turlington Lignite Mining Area
Description of Wastewater Generating Process

The Big Brown/Turlington Lignite Mining Area is a surface mining facility owned and operated by Luminant Mining Company LLC. The facility consists of a mining area located within a 20-mile radius of Fairfield Lake, which is approximately eleven miles north of the City of Fairfield on FM 2570, Freestone County, Texas. Wastewaters from the facility are discharged to tributaries of or directly to Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtal Branch, Ball Branch, and Rocky Branch and Fairfield Lake; thence to Tehuacana Creek; thence to the Trinity River above Lake Livingston in Segment No. 0804 of the Trinity River Basin.

Wastewater discharges from the facility consist of controlled mine drainage from active mining runoff, post mining runoff, groundwater seepage, and stormwater from ash disposal areas. Wastewater generated by the facility is collected, treated, and discharged via twelve (12) permitted outfalls. Each outfall will have an "M" designation when receiving active mining runoff and an "R" designation when receiving post-mine runoff. An outfall may switch back and forth between active (M) and post-mine (R) status depending on the activities within the watershed of the outfall. TCEQ will be notified prior to any change in status. The outfall types are as follows;

Active Mining Areas (M)

Effluent from active mine area drainage includes mine pit water, surface water runoff from active mining areas, groundwater seepage, dewatering well water, and stormwater from ash disposal areas will be routed to sedimentation ponds for treatment prior to discharge. The primary method of treatment is sedimentation. A polyelectrolyte may be added directly to the sedimentation ponds or metered into the influent to the ponds to enhance the settling of suspended solids. Some wastewater ponds have an associated clarification sump. These clarification sumps will not receive runoff directly but will batch treat wastewater pumped into them from the sedimentation ponds. The clarified wastewater will then be discharged to the receiving stream via the appropriate outfall. Current and future active mining outfalls will have the "M" designation. Ponds and outfalls are listed in Attachment L: Impoundment Information.

Post Mining/Reclamation (R)

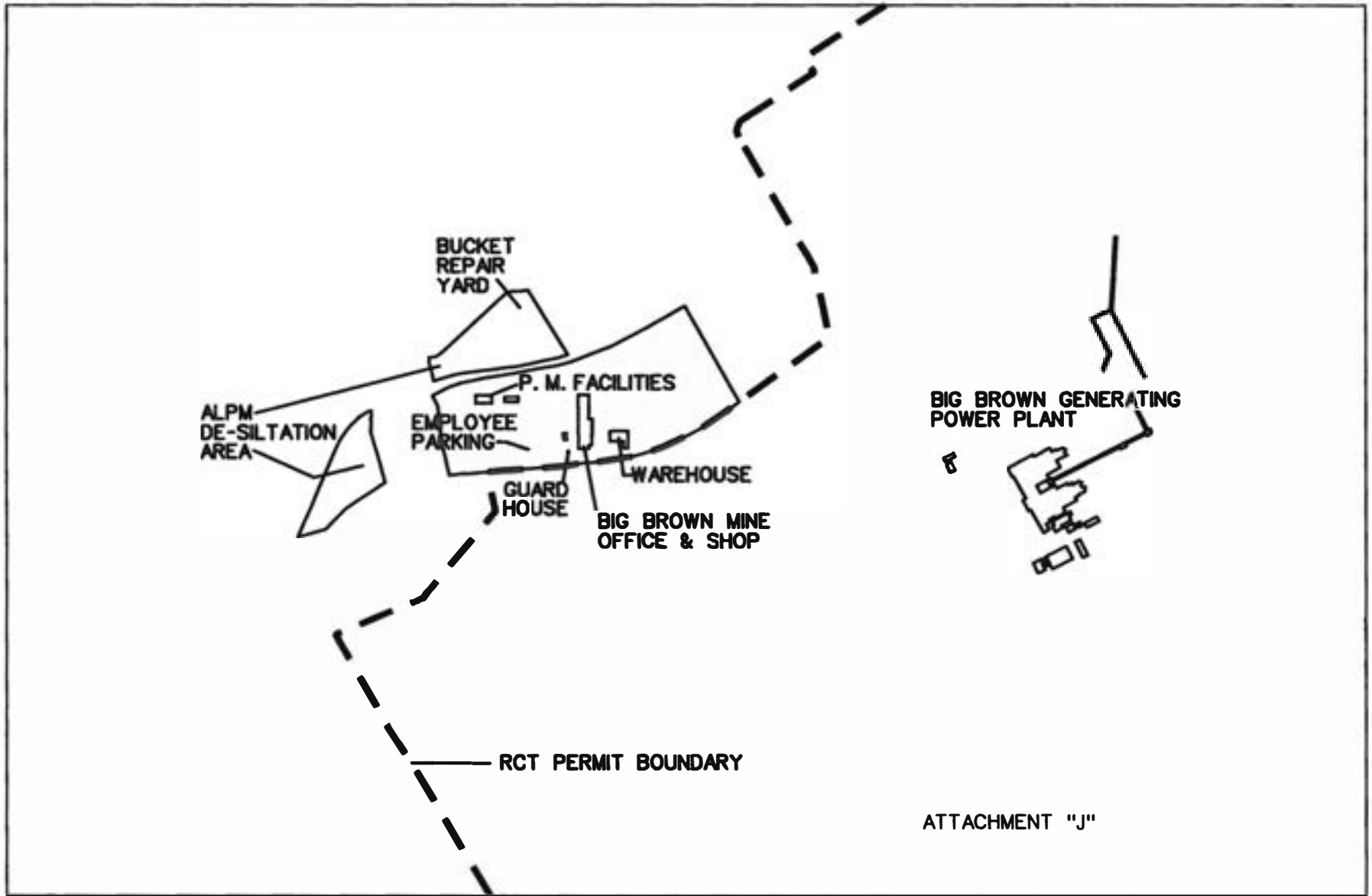
Effluent is comprised of surface water runoff from post mining reclamation and previously monitored effluent from active mine areas are routed into wastewater ponds for treatment and discharge. The primary method of treatment will be sedimentation. A polyelectrolyte may be added directly to the sedimentation ponds or metered into the influent to the ponds to enhance the settling of suspended solids. There will be clarification sumps adjacent to some of the sedimentation ponds. These clarification sumps will not receive runoff directly but will batch treat wastewater pumped into them from the sedimentation ponds. The clarified wastewater will then be discharged to the receiving stream via the appropriate outfall. Current and future reclamation outfalls will have the "R" designation. ponds and outfalls are listed in Attachment K: Impoundment Information.

Treated Sanitary Sewage (OSSF)
Currently, the facility uses a septic system for their sanitary wastewater.

Attachment J

Facility Map

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000



BIG BROWN LIGNITE MINING AREA PERMIT NO. 3F

FREESTONE COUNTY, TEXAS

FACILITIES MAP

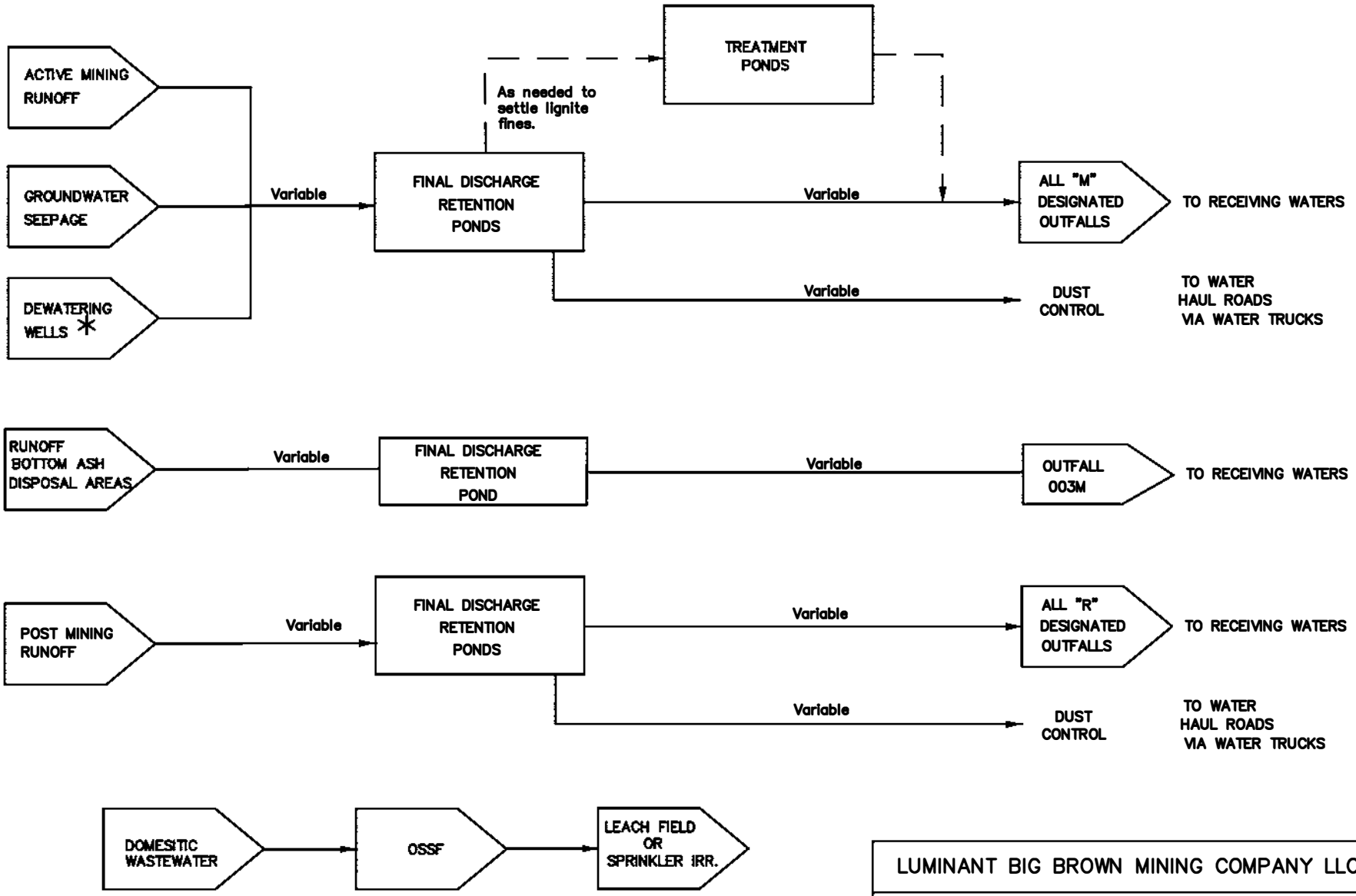
LUMINANT BIG BROWN MINING COMPANY LLC

DRAWN BY: COLEEN	APPROVAL: JLEWIS	DATE: 07-30-2024	DGN NO. T:\TUMCO\[redacted]FACILITY.DGN	PLATE: 1 OF 1

Attachment K

Water Flow Schematic

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000



*DEWATERING WELL WATER CAN BE DISCHARGED DIRECTLY TO RECEIVING WATERS IF THE DISCHARGE MEETS EFFLUENT STANDARDS

LUMINANT BIG BROWN MINING COMPANY LLC

BIG BROWN–TURLINGTON LIGNITE MINING AREA
WATER FLOW SCHEMATIC
JULY 2024

BY: B.Le	APPROVAL: J. EWING	DATE: 7–10–24

PATH: Z:\IMJ\\autocad\Big Brown\TPDES 2700 FLOW DIAGRAM–2019.DWG

Attachment L

Impoundment Information

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

	Big Brown & Turlington Ponds								
	C-67	**C-174**	**C-177**	**B-62**	**C-30**	**C-44**	**C-104**	**WC-2**	**C-66**
Outfall Type	Post Mine	Post Mine	Active	Post-Mine	Post-Mine	Post-Mine	Post-Mine	Post-Mine	Post-Mine
Latitude	31º 51' 17"	31º 48' 04"	31º 48' 50"	31º 48' 38"	31º 49' 46"	31º 51' 32"	31º 15' 13"	31º 51' 54"	31º 51' 33"
Longitude	96º 02' 50"	96º 05' 51"	96º 04' 25"	96º 07' 26"	96º 06' 30"	96º 05' 18"	96º 03' 44"	96º 04' 15"	96º 02' 54"
Receiving Stream	Bear Cr	Big Brown Cr	Big Brown Cr	Pin Oak Cr	Pin Oak Cr	Prairie Cr	Prairie Cr	Prairie Cr	Bear Creek
Designation									
Use designation (T), (D), (C), or (E) [1]	C, T, D	C, T, D	C, T, D	C, T, D	C, T, D	C, T, D	C, T, D	C, T, D	C, T, D
Discharge Point									
Outfall Number	001	002	003	005	006	007	009	012	013
Liner Information									
Liner Type (C), (I), or (S) [2]	None	None	None	None	None	None	None	None	None
Alt. Liner Attachment Reference	None	None	None	None	None	None	None	None	None
Leak Detection System, Y/N	No	No	No	No	No	No	No	No	No
Groundwater Monitoring Wells, Y/N	No	No	No	No	No	No	No	No	No
Pond bottom located above seasonal high water table, Y/N	No	No	No	No	No	No	No	No	No
Dimensions									
Length (feet)**	910	775	935	1265	1420	740	1040	615	4480
Width (feet)**	500	280	230	750	680	200	235	610	1470
Depth from Water Surface (feet)	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freeboard (feet)	1	1	1	1	1	1	1	1	1
Surface Area (acres)	6.6	4.1	6.4	17.6	15.85	3.2	4.5	6	115
Storage Capacity (Million Gallons)	29.33	16.16	24.67	28.48	39.72	1.73	9.12	6.06	151.19
40 CFR Part 257, Subpart D, Y/N	No	No	No	No	No	No	No	No	No
Date of Construction									

Notes:
(1) C = Containment (Retention), T = Treatment, D = Disposal (Discharge)
(2) Ponds are used primarily as sediment control structures and are not lined
(3) NA = Not Available
** The length and width of the ponds are estimated, given the ponds are not rectangular in shape.

	Big Brown & Turlington Ponds			
	C-255	**D-4/D-1**	**D-2**	
Outfall Type	Post-Mine	Active	Post-Mine	
Latitude	31° 52' 07"	31° 47' 13"	31° 45' 58"	
Longitude	96° 03' 42"	96° 01' 49"	96° 02' 21"	
Receiving Stream	Prairie Cr	Myrtal Br	Ball Branch	
Designation				
Use designation (T), (D), (C), or (E) [1]	C, T, D	C, T, D	C, T, D	
Discharge Point				
Outfall Number	015	016	017	
Liner Information				
Liner Type (C), (I), or (S) [2]	None	None	None	
Alt. Liner Attachment Reference	None	None	None	
Leak Detection System, Y/N	No	No	No	
Groundwater Monitoring Wells, Y/N	No	No	No	
Pond bottom located above seasonal high water table, Y/N	No	No	No	
Dimensions				
Length (feet)**	545	1345	695	
Width (feet)**	300	565	265	
Depth from Water Surface (feet)	NA	NA	NA	
Freeboard (feet)		1	1	
Surface Area (acres)	2.4	5.51	4	
Storage Capacity (Million Gallons)	10.39	71.04	13.03	
40 CFR Part 257, Subpart D, Y/N	No	No	No	
Date of Construction				

Notes:
(1) C = Containment (Retention), T = Treatment, D = Disposal (Discharge)
(2) Ponds are used primarily as sediment control structures and are not lined
(3) NA = Not Available
** The length and width of the ponds are estimated, given the ponds are not rectangular in shape.

Attachment M

Lab Accreditation

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

Luminant Mining Company LLC
Big Brown/Turlington Lignite Mining Area
TPDES Permit No. WQ000270000
Effluent Sampling and Analysis Sheet

Pollutant analyses were performed by the following entities:

a. Temperature, pH, Total Residual Chlorine (TRC), and Dissolved Oxygen Analyses were performed in the field by BBA personnel (contractor to Luminant Mining Co.) during the collection of the samples.

b. SPL, Inc, 2600 Dudley Road, Killgore, TX 75662. (903) 984-0551

NELAP Certification No. T104704201-23-23.

Ana-Lab Corporation conducted Alkalinity, Aluminum, Ammonia, Antimony, Arsenic, Beryllium, Boron, Cobalt, Chloride, Fluoride, Iron, Lead, Manganese, Molybdenum, Selenium, Silver, Sulfate, Nitrate, Nitrite, Phosphorus, O&G, BOD, CBOD, PCBs, Color, Thallium, TDS, TKN, TOC, TON, TSS, Cyanide, Hexavalent Cr., Barium, Cadmium, Chromium, Copper, Mercury, Nickel, Zinc, Trivalent Chromium, Volatile compounds, Bromide, Nitrate, Nitrite, Nitrate + Nitrite, Magnesium, Sulfide, Tin, Titanium, Semi-volatile compounds.

Texas Commission on Environmental Quality

Certificate of Accreditation

Accreditation is hereby granted to

SPL, Inc – Kilgore

2600 Dudley Road
Kilgore, TX 75662-3730

State Lab ID: T104704201
Effective Date: 02/01/2024
Expiration Date: 01/31/2025
Document ID: TX-C24-00040

Conditions of Accreditation

This laboratory has been found to conform with TCEQ rules and applicable standards for laboratory accreditation. The scope of accreditation is limited to the Fields of Accreditation specifically listed on the subsequent page(s) of this certificate. Accreditation is for all version of a method approved per 40 CFR 136, 40 CFR 141, and/ or 40 CFR 143. Continued accreditation requires ongoing compliance with all applicable standards and requirements.

Issued By: Kelly Keel, Executive Director Texas Commission on Environmental Quality
Date Issued: 02/01/2024

Laboratory Fields of Accreditation

Matrix	Method	Method Code	Analyte	Analyte Code	AB
DW	EPA 200.7	10013806	Aluminum	1000	TX
DW	EPA 200.7	10013806	Barium	1015	TX
DW	EPA 200.7	10013806	Boron	1025	TX
DW	EPA 200.7	10013806	Cobalt	1050	TX
DW	EPA 200.7	10013806	Copper	1055	TX
DW	EPA 200.7	10013806	Iron	1070	TX
DW	EPA 200.7	10013806	Lithium	1080	TX
DW	EPA 200.7	10013806	Magnesium	1085	TX
DW	EPA 200.7	10013806	Manganese	1090	TX
DW	EPA 200.7	10013806	Nickel	1105	TX
DW	EPA 200.7	10013806	Potassium	1125	TX
DW	EPA 200.7	10013806	Silica as SiO2	1990	TX
DW	EPA 200.7	10013806	Silver	1150	TX
DW	EPA 200.7	10013806	Sodium	1155	TX
DW	EPA 200.7	10013806	Strontium	1160	TX
DW	EPA 200.7	10013806	Tin	1175	TX
DW	EPA 200.7	10013806	Titanium	1180	TX
DW	EPA 200.7	10013806	Total Phosphorus	1910	TX
DW	EPA 200.7	10013806	Vanadium	1185	TX
DW	EPA 200.7	10013806	Zinc	1190	TX
DW	EPA 200.8	10014605	Aluminum	1000	TX
DW	EPA 200.8	10014605	Antimony	1005	TX
DW	EPA 200.8	10014605	Arsenic	1010	TX
DW	EPA 200.8	10014605	Barium	1015	TX
DW	EPA 200.8	10014605	Beryllium	1020	TX
DW	EPA 200.8	10014605	Cadmium	1030	TX
DW	EPA 200.8	10014605	Chromium	1040	TX
DW	EPA 200.8	10014605	Copper	1055	TX
DW	EPA 200.8	10014605	Lead	1075	TX
DW	EPA 200.8	10014605	Manganese	1090	TX
DW	EPA 200.8	10014605	Nickel	1105	TX
DW	EPA 200.8	10014605	Selenium	1140	TX
DW	EPA 200.8	10014605	Silver	1150	TX
DW	EPA 200.8	10014605	Thallium	1165	TX
DW	EPA 200.8	10014605	Uranium	3035	TX
DW	EPA 200.8	10014605	Zinc	1190	TX
DW	EPA 245.1	10036609	Mercury	1095	TX

DW	EPA 300.0	10053200	Bromide	1540	TX
DW	EPA 300.0	10053200	Chloride	1575	TX
DW	EPA 300.0	10053200	Fluoride	1730	TX
DW	EPA 300.0	10053200	Nitrate as N	1810	TX
DW	EPA 300.0	10053200	Nitrite as N	1840	TX
DW	EPA 300.0	10053200	Sulfate	2000	TX
DW	EPA 300.1	10275602	Bromate	1535	TX
DW	EPA 300.1	10275602	Chlorate	1570	TX
DW	EPA 300.1	10275602	Chlorite	1595	TX
DW	EPA 504.1	10082801	1,2-Dibromo-3-chloropropane (DBCP)	4570	TX
DW	EPA 504.1	10082801	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
DW	EPA 508	10085208	Chlordane (tech.)	7250	TX
DW	EPA 508	10085208	Toxaphene (Chlorinated Camphene)	8250	TX
DW	EPA 515.1	10087204	2,4-D	8545	TX
DW	EPA 515.1	10087204	Dalapon	8555	TX
DW	EPA 515.1	10087204	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	8620	TX
DW	EPA 515.1	10087204	Pentachlorophenol	6605	TX
DW	EPA 515.1	10087204	Picloram	8645	TX
DW	EPA 515.1	10087204	Silvex (2,4,5-TP)	8650	TX
DW	EPA 524.2	10088809	1,1,1-Trichloroethane	5160	TX
DW	EPA 524.2	10088809	1,1,2-Trichloroethane	5165	TX
DW	EPA 524.2	10088809	1,1-Dichloroethylene	4640	TX
DW	EPA 524.2	10088809	1,2,4-Trichlorobenzene	5155	TX
DW	EPA 524.2	10088809	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
DW	EPA 524.2	10088809	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
DW	EPA 524.2	10088809	1,2-Dichloropropane	4655	TX
DW	EPA 524.2	10088809	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
DW	EPA 524.2	10088809	Benzene	4375	TX
DW	EPA 524.2	10088809	Carbon tetrachloride	4455	TX
DW	EPA 524.2	10088809	Chlorobenzene	4475	TX
DW	EPA 524.2	10088809	cis-1,2-Dichloroethylene	4645	TX
DW	EPA 524.2	10088809	Ethylbenzene	4765	TX
DW	EPA 524.2	10088809	m+p-xylene	5240	TX
DW	EPA 524.2	10088809	Methylene chloride (Dichloromethane)	4975	TX
DW	EPA 524.2	10088809	o-Xylene	5250	TX
DW	EPA 524.2	10088809	Styrene	5100	TX

DW	EPA 524.2	10088809	Tetrachloroethylene (Perchloroethylene)	5115	TX
DW	EPA 524.2	10088809	Toluene	5140	TX
DW	EPA 524.2	10088809	Total Xylene	5260	TX
DW	EPA 524.2	10088809	trans-1,2-Dichloroethylene	4700	TX
DW	EPA 524.2	10088809	Trichloroethene (Trichloroethylene)	5170	TX
DW	EPA 524.2	10088809	Vinyl chloride (Chloroethene)	5235	TX
DW	EPA 525.2	10090003	Alachlor	7005	TX
DW	EPA 525.2	10090003	Atrazine	7065	TX
DW	EPA 525.2	10090003	Benzo(a)pyrene	5580	TX
DW	EPA 525.2	10090003	bis(2-Ethylhexyl)adipate	6062	TX
DW	EPA 525.2	10090003	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	TX
DW	EPA 525.2	10090003	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7120	TX
DW	EPA 525.2	10090003	Heptachlor	7685	TX
DW	EPA 525.2	10090003	Heptachlor epoxide	7690	TX
DW	EPA 525.2	10090003	Hexachlorobenzene	6275	TX
DW	EPA 525.2	10090003	Hexachlorocyclopentadiene	6285	TX
DW	EPA 525.2	10090003	Methoxychlor	7810	TX
DW	EPA 531.2	10091302	Carbofuran (Furaden)	7205	TX
DW	EPA 531.2	10091302	Oxamyl	7940	TX
DW	EPA 547	10092009	Glyphosate	9411	TX
DW	EPA 552.2	10095804	Total Haloacetic acids	9414	TX
DW	SimPlate	60032602	Heterotrophic plate count	2555	TX
DW	SM 2340 C	20047001	Total hardness as CaCO3	1755	TX
DW	SM 2510 B	20048004	Conductivity	1610	TX
DW	SM 2540 C	20049803	Residue-filterable (TDS)	1955	TX
DW	SM 2540 D	20004802	Residue-nonfilterable (TSS)	1960	TX
DW	SM 4500-CN^- E	20092404	Total Cyanide	1645	TX
DW	SM 4500-CN^- G	20097001	Amenable Cyanide	1510	TX
DW	SM 9223 B (Colilert-18)	20214602	Escherichia coli (E. coli)	2525	TX
DW	SM 9223 B (Colilert-18)	20214602	Total coliforms	2500	TX
DW	SM 9223 B (Colilert-18)	20214602	Total coliforms and E. coli (P/A)	2502	TX
NPW	EPA 1010	10116606	Ignitability	1780	TX
NPW	EPA 1030	10117201	Ignitability	1780	TX
NPW	EPA 1110	10118000	Corrosivity	1615	TX
NPW	EPA 1311	10118806	Toxicity Characteristic Leaching Procedure (TCLP)	1466	TX
NPW	EPA 1312	10119003	Synthetic Precipitation Leaching Procedure (SPLP)	1460	TX
NPW	EPA 160.4	10010409	Residue-volatile	1970	TX

NPW	EPA 1664	10127807	Hexane Extractable Material - Silica Gel Treated (HEM-SGT)	6142	TX
NPW	EPA 1664	10127807	n-Hexane Extractable Material (O&G)	1803	TX
NPW	EPA 1666A	10128208	Ethyl acetate	4755	TX
NPW	EPA 1666A	10128208	Isopropyl acetate	4890	TX
NPW	EPA 1666A	10128208	n-Amyl acetate	4360	TX
NPW	EPA 200.7	10013806	Aluminum	1000	TX
NPW	EPA 200.7	10013806	Antimony	1005	TX
NPW	EPA 200.7	10013806	Arsenic	1010	TX
NPW	EPA 200.7	10013806	Barium	1015	TX
NPW	EPA 200.7	10013806	Beryllium	1020	TX
NPW	EPA 200.7	10013806	Boron	1025	TX
NPW	EPA 200.7	10013806	Cadmium	1030	TX
NPW	EPA 200.7	10013806	Calcium	1035	TX
NPW	EPA 200.7	10013806	Chromium	1040	TX
NPW	EPA 200.7	10013806	Cobalt	1050	TX
NPW	EPA 200.7	10013806	Copper	1055	TX
NPW	EPA 200.7	10013806	Iron	1070	TX
NPW	EPA 200.7	10013806	Lead	1075	TX
NPW	EPA 200.7	10013806	Lithium	1080	TX
NPW	EPA 200.7	10013806	Magnesium	1085	TX
NPW	EPA 200.7	10013806	Manganese	1090	TX
NPW	EPA 200.7	10013806	Molybdenum	1100	TX
NPW	EPA 200.7	10013806	Nickel	1105	TX
NPW	EPA 200.7	10013806	Potassium	1125	TX
NPW	EPA 200.7	10013806	Selenium	1140	TX
NPW	EPA 200.7	10013806	Silica as SiO2	1990	TX
NPW	EPA 200.7	10013806	Silver	1150	TX
NPW	EPA 200.7	10013806	Sodium	1155	TX
NPW	EPA 200.7	10013806	Strontium	1160	TX
NPW	EPA 200.7	10013806	Thallium	1165	TX
NPW	EPA 200.7	10013806	Tin	1175	TX
NPW	EPA 200.7	10013806	Titanium	1180	TX
NPW	EPA 200.7	10013806	Total Phosphorus	1910	TX
NPW	EPA 200.7	10013806	Vanadium	1185	TX
NPW	EPA 200.7	10013806	Zinc	1190	TX
NPW	EPA 200.8	10014605	Aluminum	1000	TX
NPW	EPA 200.8	10014605	Antimony	1005	TX
NPW	EPA 200.8	10014605	Arsenic	1010	TX
NPW	EPA 200.8	10014605	Barium	1015	TX

NPW	EPA 200.8	10014605	Beryllium	1020	TX
NPW	EPA 200.8	10014605	Cadmium	1030	TX
NPW	EPA 200.8	10014605	Chromium	1040	TX
NPW	EPA 200.8	10014605	Cobalt	1050	TX
NPW	EPA 200.8	10014605	Copper	1055	TX
NPW	EPA 200.8	10014605	Lead	1075	TX
NPW	EPA 200.8	10014605	Manganese	1090	TX
NPW	EPA 200.8	10014605	Molybdenum	1100	TX
NPW	EPA 200.8	10014605	Nickel	1105	TX
NPW	EPA 200.8	10014605	Selenium	1140	TX
NPW	EPA 200.8	10014605	Silver	1150	TX
NPW	EPA 200.8	10014605	Thallium	1165	TX
NPW	EPA 200.8	10014605	Uranium	3035	TX
NPW	EPA 200.8	10014605	Vanadium	1185	TX
NPW	EPA 200.8	10014605	Zinc	1190	TX
NPW	EPA 245.1	10036609	Mercury	1095	TX
NPW	EPA 245.7	10038003	Mercury	1095	TX
NPW	EPA 300.0	10053200	Bromide	1540	TX
NPW	EPA 300.0	10053200	Chloride	1575	TX
NPW	EPA 300.0	10053200	Fluoride	1730	TX
NPW	EPA 300.0	10053200	Nitrate as N	1810	TX
NPW	EPA 300.0	10053200	Nitrate plus Nitrite as N	1820	TX
NPW	EPA 300.0	10053200	Nitrite as N	1840	TX
NPW	EPA 300.0	10053200	Orthophosphate as P	1870	TX
NPW	EPA 300.0	10053200	Sulfate	2000	TX
NPW	EPA 350.1	10063408	Ammonia as N	1515	TX
NPW	EPA 351.2	10065404	Total Kjeldahl Nitrogen - (TKN)	1790	TX
NPW	EPA 365.3	10070801	Orthophosphate as P	1870	TX
NPW	EPA 365.3	10070801	Total Phosphorus	1910	TX
NPW	EPA 377.1	10075000	Sulfite-SO3	2015	TX
NPW	EPA 420.4	10080203	Total Phenolics	1905	TX
NPW	EPA 524.2	10088809	Acetone	4315	TX
NPW	EPA 524.2	10088809	Methylene chloride (Dichloromethane)	4975	TX
NPW	EPA 6010	10155609	Aluminum	1000	TX
NPW	EPA 6010	10155609	Antimony	1005	TX
NPW	EPA 6010	10155609	Arsenic	1010	TX
NPW	EPA 6010	10155609	Barium	1015	TX
NPW	EPA 6010	10155609	Beryllium	1020	TX
NPW	EPA 6010	10155609	Boron	1025	TX
NPW	EPA 6010	10155609	Cadmium	1030	TX

NPW	EPA 6010	10155609	Calcium	1035	TX
NPW	EPA 6010	10155609	Chromium	1040	TX
NPW	EPA 6010	10155609	Cobalt	1050	TX
NPW	EPA 6010	10155609	Copper	1055	TX
NPW	EPA 6010	10155609	Iron	1070	TX
NPW	EPA 6010	10155609	Lead	1075	TX
NPW	EPA 6010	10155609	Lithium	1080	TX
NPW	EPA 6010	10155609	Magnesium	1085	TX
NPW	EPA 6010	10155609	Manganese	1090	TX
NPW	EPA 6010	10155609	Molybdenum	1100	TX
NPW	EPA 6010	10155609	Nickel	1105	TX
NPW	EPA 6010	10155609	Potassium	1125	TX
NPW	EPA 6010	10155609	Selenium	1140	TX
NPW	EPA 6010	10155609	Silica as SiO2	1990	TX
NPW	EPA 6010	10155609	Silver	1150	TX
NPW	EPA 6010	10155609	Sodium	1155	TX
NPW	EPA 6010	10155609	Strontium	1160	TX
NPW	EPA 6010	10155609	Thallium	1165	TX
NPW	EPA 6010	10155609	Tin	1175	TX
NPW	EPA 6010	10155609	Titanium	1180	TX
NPW	EPA 6010	10155609	Total Phosphorus	1910	TX
NPW	EPA 6010	10155609	Vanadium	1185	TX
NPW	EPA 6010	10155609	Zinc	1190	TX
NPW	EPA 6020	10156204	Aluminum	1000	TX
NPW	EPA 6020	10156204	Antimony	1005	TX
NPW	EPA 6020	10156204	Arsenic	1010	TX
NPW	EPA 6020	10156204	Barium	1015	TX
NPW	EPA 6020	10156204	Beryllium	1020	TX
NPW	EPA 6020	10156204	Cadmium	1030	TX
NPW	EPA 6020	10156204	Chromium	1040	TX
NPW	EPA 6020	10156204	Cobalt	1050	TX
NPW	EPA 6020	10156204	Copper	1055	TX
NPW	EPA 6020	10156204	Iron	1070	TX
NPW	EPA 6020	10156204	Lead	1075	TX
NPW	EPA 6020	10156204	Manganese	1090	TX
NPW	EPA 6020	10156204	Molybdenum	1100	TX
NPW	EPA 6020	10156204	Nickel	1105	TX
NPW	EPA 6020	10156204	Selenium	1140	TX
NPW	EPA 6020	10156204	Silver	1150	TX
NPW	EPA 6020	10156204	Thallium	1165	TX
NPW	EPA 6020	10156204	Vanadium	1185	TX

NPW	EPA 6020	10156204	Zinc	1190	TX
NPW	EPA 608.3	10296625	4,4'-DDD	7355	TX
NPW	EPA 608.3	10296625	4,4'-DDE	7360	TX
NPW	EPA 608.3	10296625	4,4'-DDT	7365	TX
NPW	EPA 608.3	10296625	Aldrin	7025	TX
NPW	EPA 608.3	10296625	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	TX
NPW	EPA 608.3	10296625	Aroclor-1016 (PCB-1016)	8880	TX
NPW	EPA 608.3	10296625	Aroclor-1221 (PCB-1221)	8885	TX
NPW	EPA 608.3	10296625	Aroclor-1232 (PCB-1232)	8890	TX
NPW	EPA 608.3	10296625	Aroclor-1242 (PCB-1242)	8895	TX
NPW	EPA 608.3	10296625	Aroclor-1248 (PCB-1248)	8900	TX
NPW	EPA 608.3	10296625	Aroclor-1254 (PCB-1254)	8905	TX
NPW	EPA 608.3	10296625	Aroclor-1260 (PCB-1260)	8910	TX
NPW	EPA 608.3	10296625	beta-BHC (beta-Hexachlorocyclohexane)	7115	TX
NPW	EPA 608.3	10296625	Chlordane (tech.)	7250	TX
NPW	EPA 608.3	10296625	cis-Chlordane (alpha-Chlordane)	7240	TX
NPW	EPA 608.3	10296625	delta-BHC	7105	TX
NPW	EPA 608.3	10296625	Dieldrin	7470	TX
NPW	EPA 608.3	10296625	Endosulfan I	7510	TX
NPW	EPA 608.3	10296625	Endosulfan II	7515	TX
NPW	EPA 608.3	10296625	Endosulfan sulfate	7520	TX
NPW	EPA 608.3	10296625	Endrin	7540	TX
NPW	EPA 608.3	10296625	Endrin aldehyde	7530	TX
NPW	EPA 608.3	10296625	Endrin ketone	7535	TX
NPW	EPA 608.3	10296625	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7120	TX
NPW	EPA 608.3	10296625	gamma-Chlordane	7245	TX
NPW	EPA 608.3	10296625	Heptachlor	7685	TX
NPW	EPA 608.3	10296625	Heptachlor epoxide	7690	TX
NPW	EPA 608.3	10296625	Methoxychlor	7810	TX
NPW	EPA 608.3	10296625	Toxaphene (Chlorinated Camphene)	8250	TX
NPW	EPA 615	10298201	2,4,5-T	8655	TX
NPW	EPA 615	10298201	2,4-D	8545	TX
NPW	EPA 615	10298201	2,4-DB	8560	TX
NPW	EPA 615	10298201	Dalapon	8555	TX
NPW	EPA 615	10298201	Dicamba	8595	TX
NPW	EPA 615	10298201	Dichlorprop	8605	TX
NPW	EPA 615	10298201	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	8620	TX
NPW	EPA 615	10298201	MCPA	7775	TX

NPW	EPA 615	10298201	MCPP	7780	TX
NPW	EPA 615	10298201	Silvex (2,4,5-TP)	8650	TX
NPW	EPA 624.1	10298121	1,1,1-Trichloroethane	5160	TX
NPW	EPA 624.1	10298121	1,1,2,2-Tetrachloroethane	5110	TX
NPW	EPA 624.1	10298121	1,1,2-Trichloroethane	5165	TX
NPW	EPA 624.1	10298121	1,1-Dichloroethane	4630	TX
NPW	EPA 624.1	10298121	1,1-Dichloroethylene	4640	TX
NPW	EPA 624.1	10298121	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
NPW	EPA 624.1	10298121	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
NPW	EPA 624.1	10298121	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
NPW	EPA 624.1	10298121	1,2-Dichloropropane	4655	TX
NPW	EPA 624.1	10298121	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
NPW	EPA 624.1	10298121	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
NPW	EPA 624.1	10298121	2-Butanone (Methyl ethyl ketone, MEK)	4410	TX
NPW	EPA 624.1	10298121	2-Chloroethyl vinyl ether	4500	TX
NPW	EPA 624.1	10298121	Acetone	4315	TX
NPW	EPA 624.1	10298121	Acrolein (Propenal)	4325	TX
NPW	EPA 624.1	10298121	Acrylonitrile	4340	TX
NPW	EPA 624.1	10298121	Benzene	4375	TX
NPW	EPA 624.1	10298121	Bromodichloromethane	4395	TX
NPW	EPA 624.1	10298121	Bromoform	4400	TX
NPW	EPA 624.1	10298121	Carbon tetrachloride	4455	TX
NPW	EPA 624.1	10298121	Chlorobenzene	4475	TX
NPW	EPA 624.1	10298121	Chlorodibromomethane	4575	TX
NPW	EPA 624.1	10298121	Chloroethane (Ethyl chloride)	4485	TX
NPW	EPA 624.1	10298121	Chloroform	4505	TX
NPW	EPA 624.1	10298121	cis-1,2-Dichloroethylene	4645	TX
NPW	EPA 624.1	10298121	cis-1,3-Dichloropropene	4680	TX
NPW	EPA 624.1	10298121	Ethylbenzene	4765	TX
NPW	EPA 624.1	10298121	m+p-xylene	5240	TX
NPW	EPA 624.1	10298121	Methyl bromide (Bromomethane)	4950	TX
NPW	EPA 624.1	10298121	Methyl chloride (Chloromethane)	4960	TX
NPW	EPA 624.1	10298121	Methyl tert-butyl ether (MTBE)	5000	TX
NPW	EPA 624.1	10298121	Methylene chloride (Dichloromethane)	4975	TX
NPW	EPA 624.1	10298121	Naphthalene	5005	TX
NPW	EPA 624.1	10298121	o-Xylene	5250	TX

NPW	EPA 624.1	10298121	Tetrachloroethylene (Perchloroethylene)	5115	TX
NPW	EPA 624.1	10298121	Toluene	5140	TX
NPW	EPA 624.1	10298121	Total Trihalomethanes (TTHMs)	5205	TX
NPW	EPA 624.1	10298121	Total Xylene	5260	TX
NPW	EPA 624.1	10298121	trans-1,2-Dichloroethylene	4700	TX
NPW	EPA 624.1	10298121	trans-1,3-Dichloropropylene	4685	TX
NPW	EPA 624.1	10298121	Trichloroethene (Trichloroethylene)	5170	TX
NPW	EPA 624.1	10298121	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	TX
NPW	EPA 624.1	10298121	Vinyl chloride (Chloroethene)	5235	TX
NPW	EPA 625.1	10300024	1,2,4,5-Tetrachlorobenzene	6715	TX
NPW	EPA 625.1	10300024	1,2,4-Trichlorobenzene	5155	TX
NPW	EPA 625.1	10300024	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
NPW	EPA 625.1	10300024	1,2-Diphenylhydrazine	6221	TX
NPW	EPA 625.1	10300024	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
NPW	EPA 625.1	10300024	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
NPW	EPA 625.1	10300024	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	TX
NPW	EPA 625.1	10300024	2,3,4,6-Tetrachlorophenol	6735	TX
NPW	EPA 625.1	10300024	2,4,5-Trichlorophenol	6835	TX
NPW	EPA 625.1	10300024	2,4,6-Trichlorophenol	6840	TX
NPW	EPA 625.1	10300024	2,4-Dichlorophenol	6000	TX
NPW	EPA 625.1	10300024	2,4-Dimethylphenol	6130	TX
NPW	EPA 625.1	10300024	2,4-Dinitrophenol	6175	TX
NPW	EPA 625.1	10300024	2,4-Dinitrotoluene (2,4-DNT)	6185	TX
NPW	EPA 625.1	10300024	2,6-Dinitrotoluene (2,6-DNT)	6190	TX
NPW	EPA 625.1	10300024	2-Chloronaphthalene	5795	TX
NPW	EPA 625.1	10300024	2-Chlorophenol	5800	TX
NPW	EPA 625.1	10300024	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	TX
NPW	EPA 625.1	10300024	2-Methylphenol (o-Cresol)	6400	TX
NPW	EPA 625.1	10300024	2-Nitrophenol	6490	TX
NPW	EPA 625.1	10300024	3,3'-Dichlorobenzidine	5945	TX
NPW	EPA 625.1	10300024	4-Bromophenyl phenyl ether (BDE-3)	5660	TX
NPW	EPA 625.1	10300024	4-Chloro-3-methylphenol	5700	TX
NPW	EPA 625.1	10300024	4-Chlorophenyl phenylether	5825	TX
NPW	EPA 625.1	10300024	4-Methylphenol (p-Cresol)	6410	TX
NPW	EPA 625.1	10300024	4-Nitrophenol	6500	TX

NPW	EPA 625.1	10300024	Acenaphthene	5500	TX
NPW	EPA 625.1	10300024	Acenaphthylene	5505	TX
NPW	EPA 625.1	10300024	Anthracene	5555	TX
NPW	EPA 625.1	10300024	Benzidine	5595	TX
NPW	EPA 625.1	10300024	Benzo(a)anthracene	5575	TX
NPW	EPA 625.1	10300024	Benzo(a)pyrene	5580	TX
NPW	EPA 625.1	10300024	Benzo(g,h,i)perylene	5590	TX
NPW	EPA 625.1	10300024	Benzo(k)fluoranthene	5600	TX
NPW	EPA 625.1	10300024	Benzo[b]fluoranthene	5585	TX
NPW	EPA 625.1	10300024	bis(2-Chloroethoxy)methane	5760	TX
NPW	EPA 625.1	10300024	bis(2-Chloroethyl) ether	5765	TX
NPW	EPA 625.1	10300024	Butyl benzyl phthalate	5670	TX
NPW	EPA 625.1	10300024	Chrysene	5855	TX
NPW	EPA 625.1	10300024	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	TX
NPW	EPA 625.1	10300024	Di-n-butyl phthalate	5925	TX
NPW	EPA 625.1	10300024	Di-n-octyl phthalate	6200	TX
NPW	EPA 625.1	10300024	Dibenz(a,h) anthracene	5895	TX
NPW	EPA 625.1	10300024	Diethyl phthalate	6070	TX
NPW	EPA 625.1	10300024	Dimethyl phthalate	6135	TX
NPW	EPA 625.1	10300024	Fluoranthene	6265	TX
NPW	EPA 625.1	10300024	Fluorene	6270	TX
NPW	EPA 625.1	10300024	Hexachlorobenzene	6275	TX
NPW	EPA 625.1	10300024	Hexachlorobutadiene	4835	TX
NPW	EPA 625.1	10300024	Hexachlorocyclopentadiene	6285	TX
NPW	EPA 625.1	10300024	Hexachloroethane	4840	TX
NPW	EPA 625.1	10300024	Indeno(1,2,3-cd) pyrene	6315	TX
NPW	EPA 625.1	10300024	Isophorone	6320	TX
NPW	EPA 625.1	10300024	n-Nitroso-di-n-butylamine	5025	TX
NPW	EPA 625.1	10300024	n-Nitrosodi-n-propylamine	6545	TX
NPW	EPA 625.1	10300024	n-Nitrosodiethylamine	6525	TX
NPW	EPA 625.1	10300024	n-Nitrosodimethylamine	6530	TX
NPW	EPA 625.1	10300024	n-Nitrosodiphenylamine	6535	TX
NPW	EPA 625.1	10300024	Naphthalene	5005	TX
NPW	EPA 625.1	10300024	Nitrobenzene	5015	TX
NPW	EPA 625.1	10300024	Pentachlorobenzene	6590	TX
NPW	EPA 625.1	10300024	Pentachlorophenol	6605	TX
NPW	EPA 625.1	10300024	Phenanthrene	6615	TX
NPW	EPA 625.1	10300024	Phenol	6625	TX
NPW	EPA 625.1	10300024	Pyrene	6665	TX
NPW	EPA 625.1	10300024	Pyridine	5095	TX

NPW	EPA 632	10108608	Carbaryl (Sevin)	7195	TX
NPW	EPA 7196	10162400	Chromium (VI)	1045	TX
NPW	EPA 7470	10165807	Mercury	1095	TX
NPW	EPA 7471	10166004	Mercury	1095	TX
NPW	EPA 8011	10173009	1,2,3-Trichloropropane	5180	TX
NPW	EPA 8011	10173009	1,2-Dibromo-3-chloropropane (DBCP)	4570	TX
NPW	EPA 8015	10173203	Acetone	4315	TX
NPW	EPA 8015	10173203	Diesel Range Organics (DRO)	9369	TX
NPW	EPA 8015	10173203	Ethanol	4750	TX
NPW	EPA 8015	10173203	Ethylene glycol	4785	TX
NPW	EPA 8015	10173203	Isobutyl alcohol (2-Methyl-1-propanol)	4875	TX
NPW	EPA 8015	10173203	Isopropyl alcohol (2-Propanol, Isopropanol)	4895	TX
NPW	EPA 8015	10173203	Methanol	4930	TX
NPW	EPA 8015	10173203	n-Butyl alcohol (1-Butanol, n-Butanol)	4425	TX
NPW	EPA 8015	10173203	n-Propanol (1-Propanol)	5055	TX
NPW	EPA 8081	10178606	4,4'-DDD	7355	TX
NPW	EPA 8081	10178606	4,4'-DDE	7360	TX
NPW	EPA 8081	10178606	4,4'-DDT	7365	TX
NPW	EPA 8081	10178606	Aldrin	7025	TX
NPW	EPA 8081	10178606	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	TX
NPW	EPA 8081	10178606	beta-BHC (beta-Hexachlorocyclohexane)	7115	TX
NPW	EPA 8081	10178606	Chlordane (tech.)	7250	TX
NPW	EPA 8081	10178606	cis-Chlordane (alpha-Chlordane)	7240	TX
NPW	EPA 8081	10178606	delta-BHC	7105	TX
NPW	EPA 8081	10178606	Dicofol	7460	TX
NPW	EPA 8081	10178606	Dieldrin	7470	TX
NPW	EPA 8081	10178606	Endosulfan I	7510	TX
NPW	EPA 8081	10178606	Endosulfan II	7515	TX
NPW	EPA 8081	10178606	Endosulfan sulfate	7520	TX
NPW	EPA 8081	10178606	Endrin	7540	TX
NPW	EPA 8081	10178606	Endrin aldehyde	7530	TX
NPW	EPA 8081	10178606	Endrin ketone	7535	TX
NPW	EPA 8081	10178606	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7120	TX
NPW	EPA 8081	10178606	gamma-Chlordane	7245	TX
NPW	EPA 8081	10178606	Heptachlor	7685	TX
NPW	EPA 8081	10178606	Heptachlor epoxide	7690	TX

NPW	EPA 8081	10178606	Methoxychlor	7810	TX
NPW	EPA 8081	10178606	Mirex	7870	TX
NPW	EPA 8081	10178606	Toxaphene (Chlorinated Camphene)	8250	TX
NPW	EPA 8082	10179007	Aroclor-1016 (PCB-1016)	8880	TX
NPW	EPA 8082	10179007	Aroclor-1221 (PCB-1221)	8885	TX
NPW	EPA 8082	10179007	Aroclor-1232 (PCB-1232)	8890	TX
NPW	EPA 8082	10179007	Aroclor-1242 (PCB-1242)	8895	TX
NPW	EPA 8082	10179007	Aroclor-1248 (PCB-1248)	8900	TX
NPW	EPA 8082	10179007	Aroclor-1254 (PCB-1254)	8905	TX
NPW	EPA 8082	10179007	Aroclor-1260 (PCB-1260)	8910	TX
NPW	EPA 8082	10179007	Total PCBs	8870	TX
NPW	EPA 8141	10182000	Azinphos-methyl (Guthion)	7075	TX
NPW	EPA 8141	10182000	Bolstar (Sulprofos)	7125	TX
NPW	EPA 8141	10182000	Chlorpyrifos	7300	TX
NPW	EPA 8141	10182000	Coumaphos	7315	TX
NPW	EPA 8141	10182000	Demeton	7390	TX
NPW	EPA 8141	10182000	Demeton-o	7395	TX
NPW	EPA 8141	10182000	Demeton-s	7385	TX
NPW	EPA 8141	10182000	Diazinon	7410	TX
NPW	EPA 8141	10182000	Dichlorvos (DDVP)	8610	TX
NPW	EPA 8141	10182000	Dimethoate	7475	TX
NPW	EPA 8141	10182000	Disulfoton	8625	TX
NPW	EPA 8141	10182000	EPN (Phosphonothioic acid, phenyl-, O-ethyl O-(p-nitrophenyl) ester)	7550	TX
NPW	EPA 8141	10182000	Ethoprop	7570	TX
NPW	EPA 8141	10182000	Fenitrothion	7595	TX
NPW	EPA 8141	10182000	Fenthion	7605	TX
NPW	EPA 8141	10182000	Malathion	7770	TX
NPW	EPA 8141	10182000	Merphos	7785	TX
NPW	EPA 8141	10182000	Methyl parathion (Parathion, methyl)	7825	TX
NPW	EPA 8141	10182000	Mevinphos	7850	TX
NPW	EPA 8141	10182000	Monocrotophos	7880	TX
NPW	EPA 8141	10182000	Naled	7905	TX
NPW	EPA 8141	10182000	Parathion, ethyl	7955	TX
NPW	EPA 8141	10182000	Phorate	7985	TX
NPW	EPA 8141	10182000	Ronnel	8110	TX
NPW	EPA 8141	10182000	Sulfotep (Tetraethyl dithiopyrophospahte)	8155	TX
NPW	EPA 8141	10182000	Tetrachlorvinphos (Stirophos, Gardona) E-isomer	8197	TX

NPW	EPA 8141	10182000	Tetraethyl pyrophosphate (TEPP)	8210	TX
NPW	EPA 8141	10182000	Tokuthion (Prothiophos)	8245	TX
NPW	EPA 8141	10182000	Trichloronate	8275	TX
NPW	EPA 8151	10183207	2,4,5-T	8655	TX
NPW	EPA 8151	10183207	2,4-D	8545	TX
NPW	EPA 8151	10183207	2,4-DB	8560	TX
NPW	EPA 8151	10183207	3,5-Dichlorobenzoic acid	8600	TX
NPW	EPA 8151	10183207	Acifluorfen	8505	TX
NPW	EPA 8151	10183207	Bentazon	8530	TX
NPW	EPA 8151	10183207	Dacthal (DCPA)	8550	TX
NPW	EPA 8151	10183207	Dalapon	8555	TX
NPW	EPA 8151	10183207	Dicamba	8595	TX
NPW	EPA 8151	10183207	Dichlorprop	8605	TX
NPW	EPA 8151	10183207	Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	8620	TX
NPW	EPA 8151	10183207	MCPA	7775	TX
NPW	EPA 8151	10183207	MCPP	7780	TX
NPW	EPA 8151	10183207	Pentachlorophenol	6605	TX
NPW	EPA 8151	10183207	Picloram	8645	TX
NPW	EPA 8151	10183207	Silvex (2,4,5-TP)	8650	TX
NPW	EPA 8260	10184802	1,1,1,2-Tetrachloroethane	5105	TX
NPW	EPA 8260	10184802	1,1,1-Trichloroethane	5160	TX
NPW	EPA 8260	10184802	1,1,2,2-Tetrachloroethane	5110	TX
NPW	EPA 8260	10184802	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	TX
NPW	EPA 8260	10184802	1,1,2-Trichloroethane	5165	TX
NPW	EPA 8260	10184802	1,1-Dichloroethane	4630	TX
NPW	EPA 8260	10184802	1,1-Dichloroethylene	4640	TX
NPW	EPA 8260	10184802	1,1-Dichloropropene	4670	TX
NPW	EPA 8260	10184802	1,2,3-Trichlorobenzene	5150	TX
NPW	EPA 8260	10184802	1,2,3-Trichloropropane	5180	TX
NPW	EPA 8260	10184802	1,2,4-Trichlorobenzene	5155	TX
NPW	EPA 8260	10184802	1,2,4-Trimethylbenzene	5210	TX
NPW	EPA 8260	10184802	1,2-Dibromo-3-chloropropane (DBCP)	4570	TX
NPW	EPA 8260	10184802	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
NPW	EPA 8260	10184802	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
NPW	EPA 8260	10184802	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
NPW	EPA 8260	10184802	1,2-Dichloropropane	4655	TX
NPW	EPA 8260	10184802	1,3-Dichlorobenzene (m-	4615	TX

			Dichlorobenzene)		
NPW	EPA 8260	10184802	1,3-Dichloropropane	4660	TX
NPW	EPA 8260	10184802	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
NPW	EPA 8260	10184802	1,4-Dioxane (1,4- Diethyleneoxide)	4735	TX
NPW	EPA 8260	10184802	2,2-Dichloropropane	4665	TX
NPW	EPA 8260	10184802	2-Butanone (Methyl ethyl ketone, MEK)	4410	TX
NPW	EPA 8260	10184802	2-Chloroethyl vinyl ether	4500	TX
NPW	EPA 8260	10184802	2-Chlorotoluene	4535	TX
NPW	EPA 8260	10184802	2-Hexanone	4860	TX
NPW	EPA 8260	10184802	2-Nitropropane	5020	TX
NPW	EPA 8260	10184802	4-Chlorotoluene	4540	TX
NPW	EPA 8260	10184802	4-Isopropyltoluene (p-Cymene)	4910	TX
NPW	EPA 8260	10184802	4-Methyl-2-pentanone (MIBK)	4995	TX
NPW	EPA 8260	10184802	Acetone	4315	TX
NPW	EPA 8260	10184802	Acetonitrile	4320	TX
NPW	EPA 8260	10184802	Acrolein (Propenal)	4325	TX
NPW	EPA 8260	10184802	Acrylonitrile	4340	TX
NPW	EPA 8260	10184802	Benzene	4375	TX
NPW	EPA 8260	10184802	Bromobenzene	4385	TX
NPW	EPA 8260	10184802	Bromochloromethane	4390	TX
NPW	EPA 8260	10184802	Bromodichloromethane	4395	TX
NPW	EPA 8260	10184802	Bromoform	4400	TX
NPW	EPA 8260	10184802	Carbon disulfide	4450	TX
NPW	EPA 8260	10184802	Carbon tetrachloride	4455	TX
NPW	EPA 8260	10184802	Chlorobenzene	4475	TX
NPW	EPA 8260	10184802	Chlorodibromomethane	4575	TX
NPW	EPA 8260	10184802	Chloroethane (Ethyl chloride)	4485	TX
NPW	EPA 8260	10184802	Chloroform	4505	TX
NPW	EPA 8260	10184802	Chloroprene (2-Chloro-1,3-butadiene)	4525	TX
NPW	EPA 8260	10184802	cis-1,2-Dichloroethylene	4645	TX
NPW	EPA 8260	10184802	cis-1,3-Dichloropropene	4680	TX
NPW	EPA 8260	10184802	Dibromomethane (Methylene bromide)	4595	TX
NPW	EPA 8260	10184802	Dichlorodifluoromethane (Freon-12)	4625	TX
NPW	EPA 8260	10184802	Ethylbenzene	4765	TX
NPW	EPA 8260	10184802	Hexachlorobutadiene	4835	TX
NPW	EPA 8260	10184802	Iodomethane (Methyl iodide)	4870	TX
NPW	EPA 8260	10184802	Isopropyl alcohol (2-Propanol, Isopropanol)	4895	TX

NPW	EPA 8260	10184802	Isopropylbenzene	4900	TX
NPW	EPA 8260	10184802	m+p-xylene	5240	TX
NPW	EPA 8260	10184802	Methyl acetate	4940	TX
NPW	EPA 8260	10184802	Methyl bromide (Bromomethane)	4950	TX
NPW	EPA 8260	10184802	Methyl chloride (Chloromethane)	4960	TX
NPW	EPA 8260	10184802	Methyl tert-butyl ether (MTBE)	5000	TX
NPW	EPA 8260	10184802	Methylene chloride (Dichloromethane)	4975	TX
NPW	EPA 8260	10184802	n-Butylbenzene	4435	TX
NPW	EPA 8260	10184802	Naphthalene	5005	TX
NPW	EPA 8260	10184802	o-Xylene	5250	TX
NPW	EPA 8260	10184802	sec-Butylbenzene	4440	TX
NPW	EPA 8260	10184802	Styrene	5100	TX
NPW	EPA 8260	10184802	tert-Butylbenzene	4445	TX
NPW	EPA 8260	10184802	Tetrachloroethylene (Perchloroethylene)	5115	TX
NPW	EPA 8260	10184802	Toluene	5140	TX
NPW	EPA 8260	10184802	Total Trihalomethanes (TTHMs)	5205	TX
NPW	EPA 8260	10184802	Total Xylene	5260	TX
NPW	EPA 8260	10184802	trans-1,2-Dichloroethylene	4700	TX
NPW	EPA 8260	10184802	trans-1,3-Dichloropropylene	4685	TX
NPW	EPA 8260	10184802	trans-1,4-Dichloro-2-butene	4605	TX
NPW	EPA 8260	10184802	Trichloroethene (Trichloroethylene)	5170	TX
NPW	EPA 8260	10184802	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	TX
NPW	EPA 8260	10184802	Vinyl acetate	5225	TX
NPW	EPA 8260	10184802	Vinyl chloride (Chloroethene)	5235	TX
NPW	EPA 8270	10185805	1,2,4,5-Tetrachlorobenzene	6715	TX
NPW	EPA 8270	10185805	1,2,4-Trichlorobenzene	5155	TX
NPW	EPA 8270	10185805	1,2-Dibromo-3-chloropropane (DBCP)	4570	TX
NPW	EPA 8270	10185805	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
NPW	EPA 8270	10185805	1,2-Diphenylhydrazine	6220	TX
NPW	EPA 8270	10185805	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
NPW	EPA 8270	10185805	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
NPW	EPA 8270	10185805	1-Chloronaphthalene	5790	TX
NPW	EPA 8270	10185805	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	TX
NPW	EPA 8270	10185805	2,3,4,6-Tetrachlorophenol	6735	TX
NPW	EPA 8270	10185805	2,4,5-Trichlorophenol	6835	TX

NPW	EPA 8270	10185805	2,4,6-Trichlorophenol	6840	TX
NPW	EPA 8270	10185805	2,4-Dichlorophenol	6000	TX
NPW	EPA 8270	10185805	2,4-Dimethylphenol	6130	TX
NPW	EPA 8270	10185805	2,4-Dinitrophenol	6175	TX
NPW	EPA 8270	10185805	2,4-Dinitrotoluene (2,4-DNT)	6185	TX
NPW	EPA 8270	10185805	2,6-Dichlorophenol	6005	TX
NPW	EPA 8270	10185805	2,6-Dinitrotoluene (2,6-DNT)	6190	TX
NPW	EPA 8270	10185805	2-Chloronaphthalene	5795	TX
NPW	EPA 8270	10185805	2-Chlorophenol	5800	TX
NPW	EPA 8270	10185805	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	TX
NPW	EPA 8270	10185805	2-Methylnaphthalene	6385	TX
NPW	EPA 8270	10185805	2-Methylphenol (o-Cresol)	6400	TX
NPW	EPA 8270	10185805	2-Naphthylamine	6430	TX
NPW	EPA 8270	10185805	2-Nitroaniline	6460	TX
NPW	EPA 8270	10185805	2-Nitrophenol	6490	TX
NPW	EPA 8270	10185805	2-Picoline (2-Methylpyridine)	5050	TX
NPW	EPA 8270	10185805	3,3'-Dichlorobenzidine	5945	TX
NPW	EPA 8270	10185805	3-Methylcholanthrene	6355	TX
NPW	EPA 8270	10185805	3-Methylphenol (m-Cresol)	6405	TX
NPW	EPA 8270	10185805	3-Nitroaniline	6465	TX
NPW	EPA 8270	10185805	4-Aminobiphenyl	5540	TX
NPW	EPA 8270	10185805	4-Bromophenyl phenyl ether (BDE-3)	5660	TX
NPW	EPA 8270	10185805	4-Chloro-3-methylphenol	5700	TX
NPW	EPA 8270	10185805	4-Chloroaniline	5745	TX
NPW	EPA 8270	10185805	4-Chlorophenyl phenylether	5825	TX
NPW	EPA 8270	10185805	4-Dimethyl aminoazobenzene	6105	TX
NPW	EPA 8270	10185805	4-Methylphenol (p-Cresol)	6410	TX
NPW	EPA 8270	10185805	4-Nitroaniline	6470	TX
NPW	EPA 8270	10185805	4-Nitrophenol	6500	TX
NPW	EPA 8270	10185805	7,12-Dimethylbenz(a)anthracene	6115	TX
NPW	EPA 8270	10185805	Acenaphthene	5500	TX
NPW	EPA 8270	10185805	Acenaphthylene	5505	TX
NPW	EPA 8270	10185805	Acetophenone	5510	TX
NPW	EPA 8270	10185805	Aniline	5545	TX
NPW	EPA 8270	10185805	Anthracene	5555	TX
NPW	EPA 8270	10185805	Azobenzene (Diphenyldiazene)	5562	TX
NPW	EPA 8270	10185805	Benzidine	5595	TX
NPW	EPA 8270	10185805	Benzo(a)anthracene	5575	TX
NPW	EPA 8270	10185805	Benzo(a)pyrene	5580	TX

NPW	EPA 8270	10185805	Benzo(e)pyrene	5605	TX
NPW	EPA 8270	10185805	Benzo(g,h,i)perylene	5590	TX
NPW	EPA 8270	10185805	Benzo(k)fluoranthene	5600	TX
NPW	EPA 8270	10185805	Benzoic acid	5610	TX
NPW	EPA 8270	10185805	Benzo[b]fluoranthene	5585	TX
NPW	EPA 8270	10185805	Benzyl alcohol	5630	TX
NPW	EPA 8270	10185805	bis(2-Chloroethoxy)methane	5760	TX
NPW	EPA 8270	10185805	bis(2-Chloroethyl) ether	5765	TX
NPW	EPA 8270	10185805	Butyl benzyl phthalate	5670	TX
NPW	EPA 8270	10185805	Chrysene	5855	TX
NPW	EPA 8270	10185805	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	TX
NPW	EPA 8270	10185805	Di-n-butyl phthalate	5925	TX
NPW	EPA 8270	10185805	Di-n-octyl phthalate	6200	TX
NPW	EPA 8270	10185805	Dibenz(a, j) acridine	5900	TX
NPW	EPA 8270	10185805	Dibenz(a,h) anthracene	5895	TX
NPW	EPA 8270	10185805	Dibenzofuran	5905	TX
NPW	EPA 8270	10185805	Diethyl phthalate	6070	TX
NPW	EPA 8270	10185805	Dimethyl phthalate	6135	TX
NPW	EPA 8270	10185805	Diphenylamine	6205	TX
NPW	EPA 8270	10185805	Ethyl methanesulfonate	6260	TX
NPW	EPA 8270	10185805	Fluoranthene	6265	TX
NPW	EPA 8270	10185805	Fluorene	6270	TX
NPW	EPA 8270	10185805	Hexachlorobenzene	6275	TX
NPW	EPA 8270	10185805	Hexachlorobutadiene	4835	TX
NPW	EPA 8270	10185805	Hexachlorocyclopentadiene	6285	TX
NPW	EPA 8270	10185805	Hexachloroethane	4840	TX
NPW	EPA 8270	10185805	Indeno(1,2,3-cd) pyrene	6315	TX
NPW	EPA 8270	10185805	Isophorone	6320	TX
NPW	EPA 8270	10185805	Methyl methanesulfonate	6375	TX
NPW	EPA 8270	10185805	n-Nitroso-di-n-butylamine	5025	TX
NPW	EPA 8270	10185805	n-Nitrosodi-n-propylamine	6545	TX
NPW	EPA 8270	10185805	n-Nitrosodiethylamine	6525	TX
NPW	EPA 8270	10185805	n-Nitrosodimethylamine	6530	TX
NPW	EPA 8270	10185805	n-Nitrosodiphenylamine	6535	TX
NPW	EPA 8270	10185805	n-Nitrosopiperidine	6560	TX
NPW	EPA 8270	10185805	Naphthalene	5005	TX
NPW	EPA 8270	10185805	Nitrobenzene	5015	TX
NPW	EPA 8270	10185805	Pentachlorobenzene	6590	TX
NPW	EPA 8270	10185805	Pentachlorophenol	6605	TX
NPW	EPA 8270	10185805	Phenacetin	6610	TX

NPW	EPA 8270	10185805	Phenanthrene	6615	TX
NPW	EPA 8270	10185805	Phenol	6625	TX
NPW	EPA 8270	10185805	Pronamide (Kerb)	6650	TX
NPW	EPA 8270	10185805	Pyrene	6665	TX
NPW	EPA 8270	10185805	Pyridine	5095	TX
NPW	EPA 8315	10187801	Acetaldehyde	4300	TX
NPW	EPA 8315	10187801	Butyraldehyde (Butanal)	4430	TX
NPW	EPA 8315	10187801	Crotonaldehyde	4545	TX
NPW	EPA 8315	10187801	Cyclohexanone	4560	TX
NPW	EPA 8315	10187801	Decanal	4565	TX
NPW	EPA 8315	10187801	Formaldehyde	4815	TX
NPW	EPA 8315	10187801	Heptanal	4820	TX
NPW	EPA 8315	10187801	Hexanaldehyde (Hexanal)	3825	TX
NPW	EPA 8315	10187801	n-Octaldehyde (Octanal)	9525	TX
NPW	EPA 8315	10187801	Nonanal	6575	TX
NPW	EPA 8315	10187801	Propionaldehyde (Propanal)	3965	TX
NPW	EPA 8315	10187801	Valeraldehyde (Pentanal, Pentanaldehyde)	4040	TX
NPW	EPA 8321	10189409	Carbaryl (Sevin)	7195	TX
NPW	EPA 8321	10189409	Diuron	7505	TX
NPW	EPA 8330	10189807	1,3,5-Trinitrobenzene (1,3,5-TNB)	6885	TX
NPW	EPA 8330	10189807	1,3-Dinitrobenzene (1,3-DNB)	6160	TX
NPW	EPA 8330	10189807	2,4,6-Trinitrotoluene (2,4,6-TNT)	9651	TX
NPW	EPA 8330	10189807	2,4-Dinitrotoluene (2,4-DNT)	6185	TX
NPW	EPA 8330	10189807	2,6-Dinitrotoluene (2,6-DNT)	6190	TX
NPW	EPA 8330	10189807	2-Amino-4,6-dinitrotoluene (2-am-DNT)	9303	TX
NPW	EPA 8330	10189807	2-Nitrotoluene	9507	TX
NPW	EPA 8330	10189807	3-Nitrotoluene	9510	TX
NPW	EPA 8330	10189807	4-Amino-2,6-dinitrotoluene (4-Am-DNT)	9306	TX
NPW	EPA 8330	10189807	4-Nitrotoluene	9513	TX
NPW	EPA 8330	10189807	Methyl-2,4,6-trinitrophenylnitramine (tetryl)	6415	TX
NPW	EPA 8330	10189807	Nitrobenzene	5015	TX
NPW	EPA 8330	10189807	Nitroglycerin	6485	TX
NPW	EPA 8330	10189807	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	9522	TX
NPW	EPA 8330	10189807	Pentaerythritoltetranitrate (PETN)	9558	TX
NPW	EPA 8330	10189807	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	9432	TX
NPW	EPA 8332	10190406	Nitroglycerin	6485	TX
NPW	EPA 9014	10193803	Amenable Cyanide	1510	TX

NPW	EPA 9014	10193803	Cyanide	1635	TX
NPW	EPA 9023	10187607	Acenaphthene	5500	TX
NPW	EPA 9023	10187607	Acenaphthylene	5505	TX
NPW	EPA 9023	10187607	Anthracene	5555	TX
NPW	EPA 9023	10187607	Benzo(g,h,i)perylene	5590	TX
NPW	EPA 9023	10187607	Dibenz(a,h) anthracene	5895	TX
NPW	EPA 9023	10187607	Fluoranthene	6265	TX
NPW	EPA 9023	10187607	Fluorene	6270	TX
NPW	EPA 9023	10187607	Indeno(1,2,3-cd) pyrene	6315	TX
NPW	EPA 9023	10187607	Naphthalene	5005	TX
NPW	EPA 9023	10187607	Phenanthrene	6615	TX
NPW	EPA 9031	10195809	Extractable Sulfides	1723	TX
NPW	EPA 9040	10197203	pH	1900	TX
NPW	EPA 9041	10197407	pH	1900	TX
NPW	EPA 9050	10198808	Conductivity	1610	TX
NPW	EPA 9056	10199209	Bromide	1540	TX
NPW	EPA 9056	10199209	Chloride	1575	TX
NPW	EPA 9056	10199209	Fluoride	1730	TX
NPW	EPA 9056	10199209	Nitrate as N	1810	TX
NPW	EPA 9056	10199209	Nitrate plus Nitrite as N	1820	TX
NPW	EPA 9056	10199209	Nitrite as N	1840	TX
NPW	EPA 9056	10199209	Orthophosphate as P	1870	TX
NPW	EPA 9056	10199209	Sulfate	2000	TX
NPW	EPA 9060	10200201	Total Organic Carbon (TOC)	2040	TX
NPW	EPA 9065	10200405	Total Phenolics	1905	TX
NPW	EPA 9070	10201000	Hexane Extractable Material - Silica Gel Treated (HEM-SGT)	6142	TX
NPW	EPA 9070	10201000	n-Hexane Extractable Material (O&G)	1803	TX
NPW	SM 2120 B	20223807	Color	1605	TX
NPW	SM 2130 B	20042200	Turbidity	2055	TX
NPW	SM 2310 B	20002806	Acidity, as CaCO3	1500	TX
NPW	SM 2320 B	20045005	Alkalinity as CaCO3	1505	TX
NPW	SM 2340 B	20046008	Total hardness as CaCO3	1755	TX
NPW	SM 2340 C	20047001	Total hardness as CaCO3	1755	TX
NPW	SM 2510 B	20048004	Conductivity	1610	TX
NPW	SM 2540 B	20004608	Residue-total (TS)	1950	TX
NPW	SM 2540 C	20049803	Residue-filterable (TDS)	1955	TX
NPW	SM 2540 D	20004802	Residue-nonfilterable (TSS)	1960	TX
NPW	SM 2540 F	20005009	Residue-settleable	1965	TX
NPW	SM 3500-Cr B	20065809	Chromium (VI)	1045	TX

NPW	SM 4500-Cl F	20080482	Total Residual Chlorine	1940	TX
NPW	SM 4500-Cl G	20020604	Total Residual Chlorine	1940	TX
NPW	SM 4500-CN^- E	20021209	Total Cyanide	1645	TX
NPW	SM 4500-CN^- G	20021607	Amenable Cyanide	1510	TX
NPW	SM 4500-H+ B	20104603	pH	1900	TX
NPW	SM 4500-O G	20025405	Oxygen, dissolved	1880	TX
NPW	SM 4500-P E	20025803	Orthophosphate as P	1870	TX
NPW	SM 4500-P E	20025803	Total Phosphorus	1910	TX
NPW	SM 4500-$S2^-$ D	20125400	Sulfide	2005	TX
NPW	SM 5210 B	20027401	Biochemical Oxygen Demand (BOD)	1530	TX
NPW	SM 5210 B	20027401	Carbonaceous BOD (CBOD)	1555	TX
NPW	SM 5220 D	20027809	Chemical Oxygen Demand (COD)	1565	TX
NPW	SM 5310 C	20138209	Total Organic Carbon (TOC)	2040	TX
NPW	SM 5540 C	20144405	Surfactants - MBAS	2025	TX
NPW	SM 9221 E plus C	20195806	Fecal coliforms	2530	TX
NPW	SM 9223 B (Colilert Quanti-Tray)	20211205	Escherichia coli (E. coli)	2525	TX
NPW	SM 9223 B (Colilert-18 Quanti-Tray)	20212800	Escherichia coli (E. coli)	2525	TX
NPW	TNRCC 1005	90019208	Total Petroleum Hydrocarbons (TPH)	2050	TX
S	EPA 1010	10116606	Ignitability	1780	TX
S	EPA 1030	10117201	Ignitability	1780	TX
S	EPA 1110	10118000	Corrosivity	1615	TX
S	EPA 1311	10118806	Toxicity Characteristic Leaching Procedure (TCLP)	1466	TX
S	EPA 1312	10119003	Synthetic Precipitation Leaching Procedure (SPLP)	1460	TX
S	EPA 200.8	10014605	Aluminum	1000	TX
S	EPA 200.8	10014605	Antimony	1005	TX
S	EPA 200.8	10014605	Arsenic	1010	TX
S	EPA 200.8	10014605	Barium	1015	TX
S	EPA 200.8	10014605	Beryllium	1020	TX
S	EPA 200.8	10014605	Cadmium	1030	TX
S	EPA 200.8	10014605	Chromium	1040	TX
S	EPA 200.8	10014605	Cobalt	1050	TX
S	EPA 200.8	10014605	Copper	1055	TX
S	EPA 200.8	10014605	Lead	1075	TX
S	EPA 200.8	10014605	Manganese	1090	TX
S	EPA 200.8	10014605	Molybdenum	1100	TX
S	EPA 200.8	10014605	Nickel	1105	TX
S	EPA 200.8	10014605	Selenium	1140	TX

S	EPA 200.8	10014605	Silver	1150	TX
S	EPA 200.8	10014605	Thallium	1165	TX
S	EPA 200.8	10014605	Uranium	3035	TX
S	EPA 200.8	10014605	Vanadium	1185	TX
S	EPA 200.8	10014605	Zinc	1190	TX
S	EPA 300.0	10053200	Bromide	1540	TX
S	EPA 300.0	10053200	Chloride	1575	TX
S	EPA 300.0	10053200	Fluoride	1730	TX
S	EPA 300.0	10053200	Nitrate as N	1810	TX
S	EPA 300.0	10053200	Nitrate plus Nitrite as N	1820	TX
S	EPA 300.0	10053200	Nitrite as N	1840	TX
S	EPA 300.0	10053200	Orthophosphate as P	1870	TX
S	EPA 300.0	10053200	Sulfate	2000	TX
S	EPA 310.1	10054805	Alkalinity as CaCO3	1505	TX
S	EPA 350.1	10063408	Ammonia as N	1515	TX
S	EPA 365.3	10070801	Orthophosphate as P	1870	TX
S	EPA 6010	10155609	Aluminum	1000	TX
S	EPA 6010	10155609	Antimony	1005	TX
S	EPA 6010	10155609	Arsenic	1010	TX
S	EPA 6010	10155609	Barium	1015	TX
S	EPA 6010	10155609	Beryllium	1020	TX
S	EPA 6010	10155609	Boron	1025	TX
S	EPA 6010	10155609	Cadmium	1030	TX
S	EPA 6010	10155609	Calcium	1035	TX
S	EPA 6010	10155609	Chromium	1040	TX
S	EPA 6010	10155609	Cobalt	1050	TX
S	EPA 6010	10155609	Copper	1055	TX
S	EPA 6010	10155609	Iron	1070	TX
S	EPA 6010	10155609	Lead	1075	TX
S	EPA 6010	10155609	Lithium	1080	TX
S	EPA 6010	10155609	Magnesium	1085	TX
S	EPA 6010	10155609	Manganese	1090	TX
S	EPA 6010	10155609	Molybdenum	1100	TX
S	EPA 6010	10155609	Nickel	1105	TX
S	EPA 6010	10155609	Potassium	1125	TX
S	EPA 6010	10155609	Selenium	1140	TX
S	EPA 6010	10155609	Silica as SiO2	1990	TX
S	EPA 6010	10155609	Silver	1150	TX
S	EPA 6010	10155609	Sodium	1155	TX
S	EPA 6010	10155609	Strontium	1160	TX
S	EPA 6010	10155609	Thallium	1165	TX

S	EPA 6010	10155609	Tin	1175	TX
S	EPA 6010	10155609	Titanium	1180	TX
S	EPA 6010	10155609	Total Phosphorus	1910	TX
S	EPA 6010	10155609	Vanadium	1185	TX
S	EPA 6010	10155609	Zinc	1190	TX
S	EPA 6020	10156204	Aluminum	1000	TX
S	EPA 6020	10156204	Antimony	1005	TX
S	EPA 6020	10156204	Arsenic	1010	TX
S	EPA 6020	10156204	Barium	1015	TX
S	EPA 6020	10156204	Beryllium	1020	TX
S	EPA 6020	10156204	Cadmium	1030	TX
S	EPA 6020	10156204	Chromium	1040	TX
S	EPA 6020	10156204	Cobalt	1050	TX
S	EPA 6020	10156204	Copper	1055	TX
S	EPA 6020	10156204	Lead	1075	TX
S	EPA 6020	10156204	Manganese	1090	TX
S	EPA 6020	10156204	Molybdenum	1100	TX
S	EPA 6020	10156204	Nickel	1105	TX
S	EPA 6020	10156204	Selenium	1140	TX
S	EPA 6020	10156204	Silver	1150	TX
S	EPA 6020	10156204	Thallium	1165	TX
S	EPA 6020	10156204	Vanadium	1185	TX
S	EPA 6020	10156204	Zinc	1190	TX
S	EPA 7196	10162400	Chromium (VI)	1045	TX
S	EPA 7470	10165603	Mercury	1095	TX
S	EPA 7471	10166208	Mercury	1095	TX
S	EPA 8015	10173601	Acetonitrile	4320	TX
S	EPA 8015	10173601	Diesel Range Organics (DRO)	9369	TX
S	EPA 8015	10173601	Ethanol	4750	TX
S	EPA 8015	10173601	Ethylene glycol	4785	TX
S	EPA 8015	10173601	Gasoline Range Organics (GRO)	9408	TX
S	EPA 8015	10173601	Isobutyl alcohol (2-Methyl-1-propanol)	4875	TX
S	EPA 8015	10173601	Isopropyl alcohol (2-Propanol, Isopropanol)	4895	TX
S	EPA 8015	10173601	Methanol	4930	TX
S	EPA 8015	10173601	n-Butyl alcohol (1-Butanol, n-Butanol)	4425	TX
S	EPA 8015	10173601	n-Propanol (1-Propanol)	5055	TX
S	EPA 8021	10174808	m+p-xylene	5240	TX
S	EPA 8021	10174808	o-Xylene	5250	TX
S	EPA 8081	10178606	4,4'-DDD	7355	TX

S	EPA 8081	10178606	4,4'-DDE	7360	TX
S	EPA 8081	10178606	4,4'-DDT	7365	TX
S	EPA 8081	10178606	Aldrin	7025	TX
S	EPA 8081	10178606	alpha-BHC (alpha-Hexachlorocyclohexane)	7110	TX
S	EPA 8081	10178606	beta-BHC (beta-Hexachlorocyclohexane)	7115	TX
S	EPA 8081	10178606	Chlordane (tech.)	7250	TX
S	EPA 8081	10178606	Dicofol	7460	TX
S	EPA 8081	10178606	Dieldrin	7470	TX
S	EPA 8081	10178606	Endosulfan I	7510	TX
S	EPA 8081	10178606	Endosulfan II	7515	TX
S	EPA 8081	10178606	Endosulfan sulfate	7520	TX
S	EPA 8081	10178606	Endrin	7540	TX
S	EPA 8081	10178606	Endrin aldehyde	7530	TX
S	EPA 8081	10178606	Endrin ketone	7535	TX
S	EPA 8081	10178606	gamma-BHC (Lindane, gamma-HexachlorocyclohexanE)	7120	TX
S	EPA 8081	10178606	gamma-Chlordane	7245	TX
S	EPA 8081	10178606	Heptachlor	7685	TX
S	EPA 8081	10178606	Heptachlor epoxide	7690	TX
S	EPA 8081	10178606	Methoxychlor	7810	TX
S	EPA 8081	10178606	Mirex	7870	TX
S	EPA 8081	10178606	Toxaphene (Chlorinated Camphene)	8250	TX
S	EPA 8082	10179007	Aroclor-1016 (PCB-1016)	8880	TX
S	EPA 8082	10179007	Aroclor-1221 (PCB-1221)	8885	TX
S	EPA 8082	10179007	Aroclor-1232 (PCB-1232)	8890	TX
S	EPA 8082	10179007	Aroclor-1242 (PCB-1242)	8895	TX
S	EPA 8082	10179007	Aroclor-1248 (PCB-1248)	8900	TX
S	EPA 8082	10179007	Aroclor-1254 (PCB-1254)	8905	TX
S	EPA 8082	10179007	Aroclor-1260 (PCB-1260)	8910	TX
S	EPA 8082	10179007	Total PCBs	8870	TX
S	EPA 8141	10182000	Azinphos-methyl (Guthion)	7075	TX
S	EPA 8141	10182000	Bolstar (Sulprofos)	7125	TX
S	EPA 8141	10182000	Chlorpyrifos	7300	TX
S	EPA 8141	10182000	Coumaphos	7315	TX
S	EPA 8141	10182000	Demeton	7390	TX
S	EPA 8141	10182000	Demeton-o	7395	TX
S	EPA 8141	10182000	Demeton-s	7385	TX
S	EPA 8141	10182000	Diazinon	7410	TX
S	EPA 8141	10182000	Dichlorvos (DDVP)	8610	TX
S	EPA 8141	10182000	Dimethoate	7475	TX

S	EPA 8141	10182000	Disulfoton	8625	TX
S	EPA 8141	10182000	EPN (Phosphonothioic acid, phenyl-, O-ethyl O-(p-nitrophenyl) ester)	7550	TX
S	EPA 8141	10182000	Ethoprop	7570	TX
S	EPA 8141	10182000	Fenitrothion	7595	TX
S	EPA 8141	10182000	Fenthion	7605	TX
S	EPA 8141	10182000	Malathion	7770	TX
S	EPA 8141	10182000	Merphos	7785	TX
S	EPA 8141	10182000	Methyl parathion (Parathion, methyl)	7825	TX
S	EPA 8141	10182000	Mevinphos	7850	TX
S	EPA 8141	10182000	Monocrotophos	7880	TX
S	EPA 8141	10182000	Naled	7905	TX
S	EPA 8141	10182000	Parathion, ethyl	7955	TX
S	EPA 8141	10182000	Phorate	7985	TX
S	EPA 8141	10182000	Ronnel	8110	TX
S	EPA 8141	10182000	Tetrachlorvinphos (Stirophos, Gardona) E-isomer	8197	TX
S	EPA 8141	10182000	Tetraethyl pyrophosphate (TEPP)	8210	TX
S	EPA 8141	10182000	Tokuthion (Prothiophos)	8245	TX
S	EPA 8151	10183207	2,4-D	8545	TX
S	EPA 8151	10183207	3,5-Dichlorobenzoic acid	8600	TX
S	EPA 8151	10183207	4-Nitrophenol	6500	TX
S	EPA 8151	10183207	Acifluorfen	8505	TX
S	EPA 8151	10183207	Bentazon	8530	TX
S	EPA 8151	10183207	Dacthal (DCPA)	8550	TX
S	EPA 8151	10183207	Dalapon	8555	TX
S	EPA 8151	10183207	Dichlorprop	8605	TX
S	EPA 8151	10183207	MCPA	7775	TX
S	EPA 8151	10183207	MCPP	7780	TX
S	EPA 8151	10183207	Picloram	8645	TX
S	EPA 8151	10183207	Silvex (2,4,5-TP)	8650	TX
S	EPA 8260	10184802	1,1,1,2-Tetrachloroethane	5105	TX
S	EPA 8260	10184802	1,1,1-Trichloroethane	5160	TX
S	EPA 8260	10184802	1,1,2,2-Tetrachloroethane	5110	TX
S	EPA 8260	10184802	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5185	TX
S	EPA 8260	10184802	1,1,2-Trichloroethane	5165	TX
S	EPA 8260	10184802	1,1-Dichloroethane	4630	TX
S	EPA 8260	10184802	1,1-Dichloroethylene	4640	TX
S	EPA 8260	10184802	1,1-Dichloropropene	4670	TX

S	EPA 8260	10184802	1,2,3-Trichlorobenzene	5150	TX
S	EPA 8260	10184802	1,2,3-Trichloropropane	5180	TX
S	EPA 8260	10184802	1,2,4-Trichlorobenzene	5155	TX
S	EPA 8260	10184802	1,2,4-Trimethylbenzene	5210	TX
S	EPA 8260	10184802	1,2-Dibromo-3-chloropropane (DBCP)	4570	TX
S	EPA 8260	10184802	1,2-Dibromoethane (EDB, Ethylene dibromide)	4585	TX
S	EPA 8260	10184802	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
S	EPA 8260	10184802	1,2-Dichloroethane (Ethylene dichloride)	4635	TX
S	EPA 8260	10184802	1,2-Dichloropropane	4655	TX
S	EPA 8260	10184802	1,3,5-Trimethylbenzene	5215	TX
S	EPA 8260	10184802	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
S	EPA 8260	10184802	1,3-Dichloropropane	4660	TX
S	EPA 8260	10184802	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
S	EPA 8260	10184802	2,2-Dichloropropane	4665	TX
S	EPA 8260	10184802	2-Butanone (Methyl ethyl ketone, MEK)	4410	TX
S	EPA 8260	10184802	2-Chloroethyl vinyl ether	4500	TX
S	EPA 8260	10184802	2-Chlorotoluene	4535	TX
S	EPA 8260	10184802	2-Hexanone	4860	TX
S	EPA 8260	10184802	2-Nitropropane	5020	TX
S	EPA 8260	10184802	4-Chlorotoluene	4540	TX
S	EPA 8260	10184802	4-Isopropyltoluene (p-Cymene)	4910	TX
S	EPA 8260	10184802	4-Methyl-2-pentanone (MIBK)	4995	TX
S	EPA 8260	10184802	Acetone	4315	TX
S	EPA 8260	10184802	Acetonitrile	4320	TX
S	EPA 8260	10184802	Acrolein (Propenal)	4325	TX
S	EPA 8260	10184802	Acrylonitrile	4340	TX
S	EPA 8260	10184802	Benzene	4375	TX
S	EPA 8260	10184802	Bromobenzene	4385	TX
S	EPA 8260	10184802	Bromochloromethane	4390	TX
S	EPA 8260	10184802	Bromodichloromethane	4395	TX
S	EPA 8260	10184802	Bromoform	4400	TX
S	EPA 8260	10184802	Carbon disulfide	4450	TX
S	EPA 8260	10184802	Carbon tetrachloride	4455	TX
S	EPA 8260	10184802	Chlorobenzene	4475	TX
S	EPA 8260	10184802	Chlorodibromomethane	4575	TX
S	EPA 8260	10184802	Chloroethane (Ethyl chloride)	4485	TX

S	EPA 8260	10184802	Chloroform	4505	TX
S	EPA 8260	10184802	cis-1,2-Dichloroethylene	4645	TX
S	EPA 8260	10184802	cis-1,3-Dichloropropene	4680	TX
S	EPA 8260	10184802	Dibromomethane (Methylene bromide)	4595	TX
S	EPA 8260	10184802	Dichlorodifluoromethane (Freon-12)	4625	TX
S	EPA 8260	10184802	Ethylbenzene	4765	TX
S	EPA 8260	10184802	Hexachlorobutadiene	4835	TX
S	EPA 8260	10184802	Iodomethane (Methyl iodide)	4870	TX
S	EPA 8260	10184802	Isopropyl alcohol (2-Propanol, Isopropanol)	4895	TX
S	EPA 8260	10184802	Isopropylbenzene	4900	TX
S	EPA 8260	10184802	m+p-xylene	5240	TX
S	EPA 8260	10184802	Methacrylonitrile	4925	TX
S	EPA 8260	10184802	Methyl acetate	4940	TX
S	EPA 8260	10184802	Methyl bromide (Bromomethane)	4950	TX
S	EPA 8260	10184802	Methyl chloride (Chloromethane)	4960	TX
S	EPA 8260	10184802	Methyl tert-butyl ether (MTBE)	5000	TX
S	EPA 8260	10184802	Methylene chloride (Dichloromethane)	4975	TX
S	EPA 8260	10184802	n-Butylbenzene	4435	TX
S	EPA 8260	10184802	n-Propylbenzene	5090	TX
S	EPA 8260	10184802	Naphthalene	5005	TX
S	EPA 8260	10184802	o-Xylene	5250	TX
S	EPA 8260	10184802	sec-Butylbenzene	4440	TX
S	EPA 8260	10184802	Styrene	5100	TX
S	EPA 8260	10184802	tert-Butylbenzene	4445	TX
S	EPA 8260	10184802	Tetrachloroethylene (Perchloroethylene)	5115	TX
S	EPA 8260	10184802	Toluene	5140	TX
S	EPA 8260	10184802	Total Xylene	5260	TX
S	EPA 8260	10184802	trans-1,2-Dichloroethylene	4700	TX
S	EPA 8260	10184802	trans-1,3-Dichloropropylene	4685	TX
S	EPA 8260	10184802	Trichloroethene (Trichloroethylene)	5170	TX
S	EPA 8260	10184802	Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	5175	TX
S	EPA 8260	10184802	Vinyl acetate	5225	TX
S	EPA 8260	10184802	Vinyl chloride (Chloroethene)	5235	TX
S	EPA 8270	10185805	1,2,4,5-Tetrachlorobenzene	6715	TX
S	EPA 8270	10185805	1,2,4-Trichlorobenzene	5155	TX
S	EPA 8270	10185805	1,2-Dichlorobenzene (o-Dichlorobenzene)	4610	TX
S	EPA 8270	10185805	1,2-Diphenylhydrazine	6220	TX

S	EPA 8270	10185805	1,3-Dichlorobenzene (m-Dichlorobenzene)	4615	TX
S	EPA 8270	10185805	1,4-Dichlorobenzene (p-Dichlorobenzene)	4620	TX
S	EPA 8270	10185805	1-Chloronaphthalene	5790	TX
S	EPA 8270	10185805	1-Naphthylamine	6425	TX
S	EPA 8270	10185805	2,2'-Oxybis(1-chloropropane), bis(2-Chloro-1-methylethyl)ether	4659	TX
S	EPA 8270	10185805	2,4,5-Trichlorophenol	6835	TX
S	EPA 8270	10185805	2,4,6-Trichlorophenol	6840	TX
S	EPA 8270	10185805	2,4-Dichlorophenol	6000	TX
S	EPA 8270	10185805	2,4-Dimethylphenol	6130	TX
S	EPA 8270	10185805	2,4-Dinitrophenol	6175	TX
S	EPA 8270	10185805	2,4-Dinitrotoluene (2,4-DNT)	6185	TX
S	EPA 8270	10185805	2,6-Dichlorophenol	6005	TX
S	EPA 8270	10185805	2,6-Dinitrotoluene (2,6-DNT)	6190	TX
S	EPA 8270	10185805	2-Chloronaphthalene	5795	TX
S	EPA 8270	10185805	2-Chlorophenol	5800	TX
S	EPA 8270	10185805	2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	6360	TX
S	EPA 8270	10185805	2-Methylnaphthalene	6385	TX
S	EPA 8270	10185805	2-Methylphenol (o-Cresol)	6400	TX
S	EPA 8270	10185805	2-Naphthylamine	6430	TX
S	EPA 8270	10185805	2-Nitroaniline	6460	TX
S	EPA 8270	10185805	2-Nitrophenol	6490	TX
S	EPA 8270	10185805	2-Picoline (2-Methylpyridine)	5050	TX
S	EPA 8270	10185805	3,3'-Dichlorobenzidine	5945	TX
S	EPA 8270	10185805	3,3'-Dimethoxybenzidine	6100	TX
S	EPA 8270	10185805	3-Methylcholanthrene	6355	TX
S	EPA 8270	10185805	3-Nitroaniline	6465	TX
S	EPA 8270	10185805	4-Aminobiphenyl	5540	TX
S	EPA 8270	10185805	4-Bromophenyl phenyl ether (BDE-3)	5660	TX
S	EPA 8270	10185805	4-Chloro-3-methylphenol	5700	TX
S	EPA 8270	10185805	4-Chloroaniline	5745	TX
S	EPA 8270	10185805	4-Chlorophenyl phenylether	5825	TX
S	EPA 8270	10185805	4-Dimethyl aminoazobenzene	6105	TX
S	EPA 8270	10185805	4-Methylphenol (p-Cresol)	6410	TX
S	EPA 8270	10185805	4-Nitroaniline	6470	TX
S	EPA 8270	10185805	4-Nitrophenol	6500	TX
S	EPA 8270	10185805	7,12-Dimethylbenz(a)anthracene	6115	TX
S	EPA 8270	10185805	Acenaphthene	5500	TX

S	EPA 8270	10185805	Acenaphthylene	5505	TX
S	EPA 8270	10185805	Acetophenone	5510	TX
S	EPA 8270	10185805	Aniline	5545	TX
S	EPA 8270	10185805	Anthracene	5555	TX
S	EPA 8270	10185805	Azobenzene (Diphenyldiazene)	5562	TX
S	EPA 8270	10185805	Benzidine	5595	TX
S	EPA 8270	10185805	Benzo(a)anthracene	5575	TX
S	EPA 8270	10185805	Benzo(a)pyrene	5580	TX
S	EPA 8270	10185805	Benzo(e)pyrene	5605	TX
S	EPA 8270	10185805	Benzo(g,h,i)perylene	5590	TX
S	EPA 8270	10185805	Benzo(k)fluoranthene	5600	TX
S	EPA 8270	10185805	Benzoic acid	5610	TX
S	EPA 8270	10185805	Benzo[b]fluoranthene	5585	TX
S	EPA 8270	10185805	Benzyl alcohol	5630	TX
S	EPA 8270	10185805	Biphenyl	5640	TX
S	EPA 8270	10185805	bis(2-Chloroethoxy)methane	5760	TX
S	EPA 8270	10185805	bis(2-Chloroethyl) ether	5765	TX
S	EPA 8270	10185805	Butyl benzyl phthalate	5670	TX
S	EPA 8270	10185805	Chrysene	5855	TX
S	EPA 8270	10185805	Di(2-ethylhexyl) phthalate (bis(2-Ethylhexyl)phthalate, DEHP)	6065	TX
S	EPA 8270	10185805	Di-n-butyl phthalate	5925	TX
S	EPA 8270	10185805	Di-n-octyl phthalate	6200	TX
S	EPA 8270	10185805	Dibenz(a, j) acridine	5900	TX
S	EPA 8270	10185805	Dibenz(a,h) anthracene	5895	TX
S	EPA 8270	10185805	Dibenzofuran	5905	TX
S	EPA 8270	10185805	Diethyl phthalate	6070	TX
S	EPA 8270	10185805	Dimethyl phthalate	6135	TX
S	EPA 8270	10185805	Diphenylamine	6205	TX
S	EPA 8270	10185805	Ethyl methanesulfonate	6260	TX
S	EPA 8270	10185805	Fluoranthene	6265	TX
S	EPA 8270	10185805	Fluorene	6270	TX
S	EPA 8270	10185805	Hexachlorobenzene	6275	TX
S	EPA 8270	10185805	Hexachlorobutadiene	4835	TX
S	EPA 8270	10185805	Hexachlorocyclopentadiene	6285	TX
S	EPA 8270	10185805	Hexachloroethane	4840	TX
S	EPA 8270	10185805	Indeno(1,2,3-cd) pyrene	6315	TX
S	EPA 8270	10185805	Methyl methanesulfonate	6375	TX
S	EPA 8270	10185805	n-Nitroso-di-n-butylamine	5025	TX
S	EPA 8270	10185805	n-Nitrosodi-n-propylamine	6545	TX
S	EPA 8270	10185805	n-Nitrosodiethylamine	6525	TX

S	EPA 8270	10185805	n-Nitrosodimethylamine	6530	TX
S	EPA 8270	10185805	n-Nitrosodiphenylamine	6535	TX
S	EPA 8270	10185805	n-Nitrosopiperidine	6560	TX
S	EPA 8270	10185805	Naphthalene	5005	TX
S	EPA 8270	10185805	Nitrobenzene	5015	TX
S	EPA 8270	10185805	Pentachlorobenzene	6590	TX
S	EPA 8270	10185805	Pentachloronitrobenzene	6600	TX
S	EPA 8270	10185805	Pentachlorophenol	6605	TX
S	EPA 8270	10185805	Phenacetin	6610	TX
S	EPA 8270	10185805	Phenanthrene	6615	TX
S	EPA 8270	10185805	Phenol	6625	TX
S	EPA 8270	10185805	Pronamide (Kerb)	6650	TX
S	EPA 8270	10185805	Pyrene	6665	TX
S	EPA 8270	10185805	Pyridine	5095	TX
S	EPA 8315	10187801	Acetaldehyde	4300	TX
S	EPA 8315	10187801	Butyraldehyde (Butanal)	4430	TX
S	EPA 8315	10187801	Crotonaldehyde	4545	TX
S	EPA 8315	10187801	Cyclohexanone	4560	TX
S	EPA 8315	10187801	Decanal	4565	TX
S	EPA 8315	10187801	Formaldehyde	4815	TX
S	EPA 8315	10187801	Heptanal	4820	TX
S	EPA 8315	10187801	Hexanaldehyde (Hexanal)	3825	TX
S	EPA 8315	10187801	n-Octaldehyde (Octanal)	9525	TX
S	EPA 8315	10187801	Nonanal	6575	TX
S	EPA 8315	10187801	Propionaldehyde (Propanal)	3965	TX
S	EPA 8315	10187801	Valeraldehyde (Pentanal, Pentanaldehyde)	4040	TX
S	EPA 8321	10189409	Carbaryl (Sevin)	7195	TX
S	EPA 8321	10189409	Diuron	7505	TX
S	EPA 8330	10189807	1,3,5-Trinitrobenzene (1,3,5-TNB)	6885	TX
S	EPA 8330	10189807	1,3-Dinitrobenzene (1,3-DNB)	6160	TX
S	EPA 8330	10189807	2,4,6-Trinitrotoluene (2,4,6-TNT)	9651	TX
S	EPA 8330	10189807	2,4-Dinitrotoluene (2,4-DNT)	6185	TX
S	EPA 8330	10189807	2,6-Dinitrotoluene (2,6-DNT)	6190	TX
S	EPA 8330	10189807	2-Amino-4,6-dinitrotoluene (2-am-DNT)	9303	TX
S	EPA 8330	10189807	2-Nitrotoluene	9507	TX
S	EPA 8330	10189807	3-Nitrotoluene	9510	TX
S	EPA 8330	10189807	4-Amino-2,6-dinitrotoluene (4-Am-DNT)	9306	TX
S	EPA 8330	10189807	4-Nitrotoluene	9513	TX
S	EPA 8330	10189807	Methyl-2,4,6-trinitrophenylnitramine	6415	TX

			(tetryl)		
S	EPA 8330	10189807	Nitrobenzene	5015	TX
S	EPA 8330	10189807	Nitroglycerin	6485	TX
S	EPA 8330	10189807	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	9522	TX
S	EPA 8330	10189807	Pentaerythritoltetranitrate (PETN)	9558	TX
S	EPA 8330	10189807	RDX (hexahydro-1,3,5-trinitro-1,3,5-triazine)	9432	TX
S	EPA 8332	10190406	Nitroglycerin	6485	TX
S	EPA 9014	10193803	Amenable Cyanide	1510	TX
S	EPA 9014	10193803	Cyanide	1635	TX
S	EPA 9023	10187607	Acenaphthene	5500	TX
S	EPA 9023	10187607	Acenaphthylene	5505	TX
S	EPA 9023	10187607	Benzo(a)anthracene	5575	TX
S	EPA 9023	10187607	Benzo(a)pyrene	5580	TX
S	EPA 9023	10187607	Benzo(g,h,i)perylene	5590	TX
S	EPA 9023	10187607	Benzo(k)fluoranthene	5600	TX
S	EPA 9023	10187607	Benzo[b]fluoranthene	5585	TX
S	EPA 9023	10187607	Chrysene	5855	TX
S	EPA 9023	10187607	Dibenz(a,h) anthracene	5895	TX
S	EPA 9023	10195003	Extractable Organic Halides (EOX)	1720	TX
S	EPA 9023	10187607	Fluoranthene	6265	TX
S	EPA 9023	10187607	Fluorene	6270	TX
S	EPA 9023	10187607	Indeno(1,2,3-cd) pyrene	6315	TX
S	EPA 9023	10187607	Phenanthrene	6615	TX
S	EPA 9023	10187607	Pyrene	6665	TX
S	EPA 9031	10195809	Extractable Sulfides	1723	TX
S	EPA 9034	10196006	Sulfide	2005	TX
S	EPA 9040	10196802	Corrosivity	1615	TX
S	EPA 9040	10196802	pH	1900	TX
S	EPA 9041	10197407	pH	1900	TX
S	EPA 9045	10197805	Corrosivity	1615	TX
S	EPA 9045	10197805	pH	1900	TX
S	EPA 9050	10198604	Conductivity	1610	TX
S	EPA 9056	10199209	Bromide	1540	TX
S	EPA 9056	10199209	Chloride	1575	TX
S	EPA 9056	10199209	Fluoride	1730	TX
S	EPA 9056	10199209	Nitrate as N	1810	TX
S	EPA 9056	10199209	Nitrate plus Nitrite as N	1820	TX
S	EPA 9056	10199209	Nitrite as N	1840	TX
S	EPA 9056	10199209	Orthophosphate as P	1870	TX

S	EPA 9056	10199209	Sulfate	2000	TX
S	EPA 9060	10200201	Total Organic Carbon (TOC)	2040	TX
S	EPA 9065	10200405	Total Phenolics	1905	TX
S	EPA 9071	10201204	Hexane Extractable Material - Silica Gel Treated (HEM-SGT)	6142	TX
S	EPA 9071	10201204	n-Hexane Extractable Material (O&G)	1803	TX
S	EPA 9076	10202401	Total Chlorine	1585	TX
S	EPA 9081	10203404	Cation exchange capacity	1560	TX
S	EPA 9095	10204203	Paint Filter Test	1434	TX
S	SM 2320 B	20045005	Alkalinity as CaCO3	1505	TX
S	SM 2510 B	20048004	Conductivity	1610	TX
S	SM 2540 G	20005203	Residue-total (TS)	1950	TX
S	SM 9221 E plus C	20195806	Fecal coliforms	2530	TX
S	SM 9223 B (Colilert Quanti-Tray)	20211205	Escherichia coli (E. coli)	2525	TX
S	TNRCC 1005	90019208	Total Petroleum Hydrocarbons (TPH)	2050	TX
S	Walkley-Black	60012002	Carbon, organic (Walkley-Black) *	10340	TX

Attachment N

Sample Data

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

TABLE 1 for Outfall No. 001R (Pond C-67)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (mg/l)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
	6/24/2024	7/1/2024 - No flow	7/8/2024 - No flow	7/15/2024 - No flow
BOD (5-day)	6.04			
CBOD (5-day)	<2			
Chemical Oxygen Demand	<20.0			
Total Organic Carbon	6.27			
Dissolved Oxygen	8.51			
Ammonia Nitrogen	0.05			
Total Suspended Solids	19			
Nitrate Nitrogen	<0.1			
Total Organic Nitrogen	1.738			
Total Phosphorus	0.119			
Oil and Grease	<4.26			
Total Residual Chlorine	0.31			
Total Dissolved Solids	208			
Sulfate	38			
Chloride	22			
Fluoride	<0.5			
Total Alkalinity (mg/L as $CaCO_3$)	108			
Temperature (° F)	93.74			
pH (standard Units)	5.79			

TABLE 2 for Outfall No. 001R (Pond C-67)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	218				2.5
Antimony, total	<3				5
Arsenic, total	3.80				0.5
Barium, total	94.3				3
Beryllium, total	<0.162				0.5
Cadmium, total	<1				1
Chromium, total	<1.06				3
Chromium, hexavalent	<3				3
Chromium, trivalent	<3				N/A
Copper, total	<1				2
Cyanide, available	<5				2/10
Lead, total	<0.5				5
Mercury, total	<0.005				0.005/0.0005
Nickel, total	2.17				2
Selenium, total	<5				5
Silver, total	<0.276				0.5
Thallium, total	<1				0.5
Zinc, total	5				5

TABLE 1 for Outfall No. 003M (Pond C-177)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (mg/l)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
	6/24/2024	7/1/2024	7/8/2024	7/15/2024
BOD (5-day)	4.04	4.00	2.37	3.4
CBOD (5-day)	<2	2.47	3.21	2.9
Chemical Oxygen Demand	<20.0	<20.0	<20.0	<20.0
Total Organic Carbon	5.83	6.15	5.91	8.44
Dissolved Oxygen	7.64	7.91	8.17	7.62
Ammonia Nitrogen	0.03	0.21	<0.020	<0.020
Total Suspended Solids	5	4	<2.00	4
Nitrate Nitrogen	<0.1	<0.1	<0.1	<0.1
Total Organic Nitrogen	0.825	0.943	0.455	0.788
Total Phosphorus	0.053	0.090	0.064	0.083
Oil and Grease	<4.40	<4.40	<4.40	<4.35
Total Residual Chlorine	0.21	0.26	0.39	0.32
Total Dissolved Solids	460	520	410	530
Sulfate	245	269	288	318
Chloride	31	38	43	45
Fluoride	0.50	<1.00	<0.5	<0.5
Total Alkalinity (mg/L as $CaCO_3$)	66	75	51	55
Temperature (° F)	87.19	88.54	86.56	86.85
pH (standard Units)	5.96	5.87	5.96	6.07

TABLE 2 for Outfall No. 003M (Pond C-177)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	39.2	46	14	86	2.5
Antimony, total	<3	<1	<1	<3.76	5
Arsenic, total	<1	1.06	<0.647	1.39	0.5
Barium, total	122	133	117	137	3
Beryllium, total	<0.162	<0.5	<0.5	<0.139	0.5
Cadmium, total	<1	<0.5	<0.5	<0.067	1
Chromium, total	<1	<1	<1	<0.621	3
Chromium, hexavalent	<3	<3	<3	<3	3
Chromium, trivalent	<3	<3	<3	<3	N/A
Copper, total	<1	<1	<1.55	2.24	2
Cyanide, available	<5	<5	<5	<5	2/10
Lead, total	<0.5	<0.5	<0.5	<0.244	5
Mercury, total	<0.005	<0.005	<0.005	<0.005	0.005/0.0005
Nickel, total	1.86	2.17	1.36	2.69	2
Selenium, total	<5	<2	<2	<1.3	5
Silver, total	<0.276	<0.2	<0.226	<0.226	0.5
Thallium, total	<1	<0.5	<0.106	<0.106	0.5
Zinc, total	3.62	10	8	25	5

TABLE 1 for Outfall No. 016M (Pond D-4)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (mg/l)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
	6/24/2024	7/1/2024	7/8/2024	7/15/2024
BOD (5-day)	3.56	4.12	3.01	2.7
CBOD (5-day)	<2	2.67	2.13	2.3
Chemical Oxygen Demand	<20.0	<20.0	<20.0	<20.0
Total Organic Carbon	6.59	6.52	5.90	5.51
Dissolved Oxygen	10.25	9.67	9.17	9.86
Ammonia Nitrogen	<0.020	<0.020	<0.020	<0.020
Total Suspended Solids	9.70	15	12	7
Nitrate Nitrogen	<0.1	<0.1	<0.1	0.45
Total Organic Nitrogen	0.368	0.406	0.419	0.285
Total Phosphorus	0.060	0.071	0.064	0.051
Oil and Grease	<4.44	<4.49	<4.65	<4.35
Total Residual Chlorine	0.35	0.29	0.37	0.43
Total Dissolved Solids	302	300	304	290
Sulfate	101	101	103	120
Chloride	31	35	34	28
Fluoride	<0.5	<0.5	<0.5	<0.5
Total Alkalinity (mg/L as $CaCO_3$)	88	89	87	79
Temperature (° F)	89.49	89.44	87.12	86.56
pH (standard Units)	6.32	6.41	6.32	6.42

TABLE 2 for Outfall No. 016M (Pond D-4)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	284	250	249	69	2.5
Antimony, total	<3	<1.09	<1	<3.76	5
Arsenic, total	1.63	1.46	1.47	1.17	0.5
Barium, total	45	59	56	59	3
Beryllium, total	<0.162	<0.5	<0.5	<0.139	0.5
Cadmium, total	<1	<1	<0.5	<0.067	1
Chromium, total	<1	<1	<1	<0.621	3
Chromium, hexavalent	<3	<3	<3	<3	3
Chromium, trivalent	<3	<3	<3	<3	N/A
Copper, total	<2.76	<1	<2.78	<1	2
Cyanide, available	<5	<5	<5	<5	2/10
Lead, total	<0.5	<0.5	0.59	<0.244	5
Mercury, total	<0.005	<0.005	<0.005	<0.005	0.005/0.0005
Nickel, total	3.87	4.38	2.77	3.47	2
Selenium, total	<5	2.17	<2	<2	5
Silver, total	<0.276	<2	<0.226	<0.226	0.5
Thallium, total	<1	<0.5	<0.106	<0.106	0.5
Zinc, total	11.4	<5	10	7	5

TABLE 1 for Outfall No. 017R (Pond D-2)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (mg/l)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
	6/24/2024	7/1/2024	7/8/2024	7/15/2024
BOD (5-day)	9.36	7.84	4.77	8.0
CBOD (5-day)	<2	6.91	4.57	6.0
Chemical Oxygen Demand	<20	31	43	29
Total Organic Carbon	9.45	10.40	9.85	9.79
Dissolved Oxygen	10.67	8.92	9.27	9.06
Ammonia Nitrogen	0.21	0.40	0.716	<0.020
Total Suspended Solids	15	18	12	23
Nitrate Nitrogen	<0.1	<0.1	<0.1	<0.1
Total Organic Nitrogen	2.563	2.216	1.634	2.350
Total Phosphorus	0.100	0.178	0.223	0.155
Oil and Grease	<4.35	<4.40	<4.55	<4.40
Total Residual Chlorine	0.23	0.16	0.27	0.21
Total Dissolved Solids	122	126	160	130
Sulfate	<3.00	<3.00	3	7
Chloride	8	9	10	10
Fluoride	<0.5	<0.5	<0.5	<0.5
Total Alkalinity (mg/L as $CaCO_3$)	93	101	107	107
Temperature (° F)	87.84	89.71	88.41	87.12
pH (standard Units)	5.49	5.56	5.72	5.97

TABLE 2 for Outfall No. 017R (Pond D-2)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total	9.36	34	36	56	2.5
Antimony, total	<3	<1	<1	<3.76	5
Arsenic, total	1.90	2.85	2.78	2.99	0.5
Barium, total	60	52	50	85	3
Beryllium, total	<0.162	<0.5	<0.5	<0.139	0.5
Cadmium, total	<1	<0.5	<0.5	<0.067	1
Chromium, total	<1	<1	<1	<0.621	3
Chromium, hexavalent	<3	<3	<3	<3	3
Chromium, trivalent	<3	<3	<3	<3	N/A
Copper, total	<1	<1	<1.55	<1	2
Cyanide, available	<5	<5	<5	<5	2/10
Lead, total	<0.5	<0.5	<0.5	<0.244	5
Mercury, total	<0.005	<0.005	<0.005	<0.005	0.005/0.0005
Nickel, total	<1	1.76	<1	1.40	2
Selenium, total	<5	<2	<2	<2	5
Silver, total	<0.276	<0.2	<0.226	<0.266	0.5
Thallium, total	<1	<0.5	<0.106	<0.106	0.5
Zinc, total	<1	26	11	16	5

TABLE 3

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** with nonprocess wastewater and stormwater assoicated with insustrial activities commingled with other wastestreams (see instrcutions for additional guideance).

TABLE 3 for Outfall No. 003M (Pond C-177)

Samples are (check one): Composites ☐ Grabs ■

Pollutants	Samp. 1 (µg/l)*	Samp. 2 (µg/l)*	Samp. 3 (µg/l)*	Samp. 4 (µg/l)*	MAL (µg/L)*
Acrylonitrile	<1	<1	<1	<1	50
Anthracene	<0.975	<0.972	<0.985	<0.980	10
Benzene	<1	<1	<1	<1	10
Benzidine	<1.46	<1.46	<19.7	<19.6	50
Benzo(a)anthracene	<0.975	<0.972	<0.985	<0.980	5
Benzo(a)pyrene	<0.975	<0.972	<0.985	<0.980	5
Bis(2-chloroethyle)ether	<0.975	<0.972	<0.985	<0.980	10
Bis(2-ethylhexyl)phthalate	<7.31	<7.29	<7.39	<7.35	10
Bromodichloromethane [Dibromochloromethane]	<1	<1	<1	<1	10
Bromoform	<1	<1	<1	<2	10
Carbon tetrachloride	<1	<1	<1	<1	2
Chlorobenzene	<1	<1	<1	<1	10
Chlorodibromomethande	<1	<1	<1	<1	10
Chloroform	<1	<1	<1	<1	10
Chrysene	<0.975	<0.972	<0.985	<0.980	5
m-Cresol [3-Methylphenol]	<7.80	<7.77	<6.11	<6.08	10
o-Cresol [2-Methylphenol]	<9.75	<9.72	<5.12	<5.10	10
p-Cresol [4-Methylphenol]	<7.80	<7.77	<6.11	<6.08	10
1,2-Dibromoethane	<1	<1	<1	<1	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<1	<1	<1	<1	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<1	<1	<1	<1	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<1	<1	<1	<1	10
3,3'-Dichlorobenzidine	<1.95	<1.94	<4.93	<4.90	5
1,2-Dichloroethane	<1	<1	<1	<1	10
1,1-Dichloroethene [1,1-Dichloroethylene]	<1	<1	<1	<1	10
Dichloromethane [Methylene chloride]	<1.02	<1	<1	<1	20
1,2-Dichloropropane	<1	<1	<1	<1.01	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<1	<1	<1	<1	10

Pollutants（Outfall 001R)	Samp. 1 (µg/L)*	Samp. 2 (µg/L)*	Samp. 3 (µg/L)*	Samp. 4 (µg/L)*	**MAL (µg/L)***
2,4-Dimethylphenol	<0.975	<0.972	<2.36	<2.35	10
Di-*n*-Butyl phthalate	<7.31	<7.29	<7.39	<7.35	10
Ethylbenzene	<1	<1	<1	<1	10
Fluoride	<0.005	<0.005	<0.005	<0.005	500
Hexachlorobenzene	<0.975	<0.972	<0.985	<0.980	5
Hexachlorobutadiene	<1	<1	<0.985	<0.980	10
Hexachlorocyclopentadiene	<0.975	<0.972	<8.87	<8.82	10
Hexachloroethane	<1.95	<1.94	<0.985	<0.980	20
Methyl ethyl ketone	<1	<1	<1	<1	50
Nitrobenzene	<0.975	<0.972	<0.985	<0.980	10
N-Nitrosodiethylamine	<0.975	<0.972	<0.985	<0.980	20
N-Nitroso-di-*n*-butylamine	<0.975	<0.972	<0.985	<0.980	20
Nonylphenol	<32.6	<29.3	<33.0	<33.2	333
Pentachlorobenzene	<0.975	<0.972	<0.985	<0.980	20
Pentachlorophenol	<4.87	<4.86	<0.985	<0.980	5
Phenathrene	<0.975	<0.972	<0.985	<0.980	10
Polychlorinated biphenyls (PCBs)(**)	<1.37	<1.4	<1.37	<1.36	0.2
Pyridine	<1.32	<1.31	<5.32	<5.29	20
1,2,4,5-Tetrachlorobenzene	<1	<1	<0.985	<0.980	20
1,1,2,2-Tetrachloroethane	<1	<1	<1	<2	10
Tetrachloroethene [Tetrachloroethylene]	<1	<1	<1	<1	10
Toluene	<1	<1	<1	<1	10
1,1,1-Trichloroethane	<1	<1	<1	<1	10
1,1,2-Trichloroethane	<1	<1	<1	<2	10
Trichloroethene [Trichloroethylene]	<1	<1	<1	<1	10
2,4,5-Trichlorophenol	<4.87	<4.86	<0.985	<0.980	50
TTHM (Total Trihalomethanes)	<1	<1	<1	<2	10
Vinyl Chloride	<1	<1	<1	<1.04	10

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

(**) Total of 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 3

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** with nonprocess wastewater and stormwater assoicated with insustrial activities commingled with other wastestreams (see instrcutions for additional guideance).

TABLE 3 for Outfall No. 016M (Pond D-4)

Samples are (check one): Composite ☐ Grabs ■

Pollutants	Samp. 1 (µg/l)*	Samp. 2 (µg/l)*	Samp. 3 (µg/l)*	Samp. 4 (µg/l)*	MAL (µg/L)*
Acrylonitrile	<1	<1	<1	<1	50
Anthracene	<0.994	<0.984	<0.970	<0.977	10
Benzene	<1	<1	<1	<1	10
Benzidine	<1.49	<1.48	<19.4	<19.5	50
Benzo(a)anthracene	<0.994	<0.984	<0.970	<0.977	5
Benzo(a)pyrene	<0.994	<0.984	<0.970	<0.977	5
Bis(2-chloroethyle)ether	<0.994	<0.984	<0.970	<0.977	10
Bis(2-ethylhexyl)phthalate	<7.46	<7.38	<7.27	<7.32	10
Bromodichloromethane [Dibromochloromethane]	<1	<1	<1	<1	10
Bromoform	<1	<1	<1	<2	10
Carbon tetrachloride	<1	<1	<1	<1	2
Chlorobenzene	<1	<1	<1	<1	10
Chlorodibromomethande	<1	<1	<1	<1	10
Chloroform	<1	<1	<1	<1	10
Chrysene	<0.994	<0.984	<0.970	<9.77	5
m-Cresol [3-Methylphenol]	<7.95	<7.87	<6.01	<6.05	10
o-Cresol [2-Methylphenol]	<9.94	<9.84	<5.04	<5.08	10
p-Cresol [4-Methylphenol]	<7.95	<7.87	<6.01	<6.05	10
1,2-Dibromoethane	<1	<1	<1	<1	10
m-Dichlorobenzene [1,3-Dichlorobenzene]	<1	<1	<1	<1	10
o-Dichlorobenzene [1,2-Dichlorobenzene]	<1	<1	<1	<1	10
p-Dichlorobenzene [1,4-Dichlorobenzene]	<1	<1	<1	<1	10
3,3'-Dichlorobenzidine	<1.99	<1.97	<4.85	<4.88	5
1,2-Dichloroethane	<1	<1	<1	<1	10
1,1-Dichloroethene [1,1-Dichloroethylene]	<1	<1	<1	<1	10
Dichloromethane [Methylene chloride]	<1.02	<1.02	<1	<1	20
1,2-Dichloropropane	<1	<1	<1	<1.01	10
1,3-Dichloropropene [1,3-Dichloropropylene]	<1	<1	<1	<1	10

Pollutants（Outfall 001R)	Samp. 1 (µg/L)*	Samp. 2 (µg/L)*	Samp. 3 (µg/L)*	Samp. 4 (µg/L)*	**MAL (µg/L)***
2,4-Dimethylphenol	<0.994	<0.984	<2.33	<2.34	10
Di-*n*-Butyl phthalate	<7.46	<7.38	<7.27	<7.32	10
Ethylbenzene	<1	<1	<1	<1	10
Fluoride	<0.0005	<0.0005	<0.0005	<0.0005	500
Hexachlorobenzene	<0.994	<0.984	<0.970	<0.977	5
Hexachlorobutadiene	<1.02	<1.01	<0.970	<0.977	10
Hexachlorocyclopentadiene	<0.994	<0.984	<8.73	<8.79	10
Hexachloroethane	<1.99	<1.97	<0.970	<0.977	20
Methyl ethyl ketone	<1	<1	<1	10	50
Nitrobenzene	<0.994	<0.984	<0.970	<0.977	10
N-Nitrosodiethylamine	<0.994	<0.984	<0.970	<0.977	20
N-Nitroso-di-*n*-butylamine	<0.994	<0.984	<0.970	<0.977	20
Nonylphenol	<32.9	<29.5	<33.6	<33.4	333
Pentachlorobenzene	<0.994	<0.984	<0.970	<0.977	20
Pentachlorophenol	<4.97	<4.92	<0.970	<0.977	5
Phenathrene	<0.994	<0.984	<0.970	<0.977	10
Polychlorinated biphenyls (PCBs)(**)	<1.39	<1.4	<1.36	<1.36	0.2
Pyridine	<1.34	<1.33	<5.24	<5.27	20
1,2,4,5-Tetrachlorobenzene	<1.02	<1.01	<0.970	<0.977	20
1,1,2,2-Tetrachloroethane	<1	<1	<1	<2	10
Tetrachloroethene [Tetrachloroethylene]	<1	<1	<1	<1	10
Toluene	<1	<1	<1	<1	10
1,1,1-Trichloroethane	<1	<1	<1	<1	10
1,1,2-Trichloroethane	<1	<1	<1	<2	10
[Trichloroethyle ne]	<1	<1	<1	<1	10
2,4,5-Trichlorophenol	<4.97	<4.92	<0.970	<0.977	50
TTHM (Total Trihalomethanes)	<1	<1	<1	<2	10
Vinyl Chloride	<1	<1	<1	<1.04	10

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

(**) Total of 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 6 (Instructions, Page 52)

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

TABLE 6 for Outfall No. 001R (Pond C-67)

Samples are (check one): Composites ☐ Grabs ■

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		X	<0.4				400
Color (PCU)	X		35				--
Nitrate-Nitrite(as N)		X	<0.1				--
Sulfide(as S)		X	<0.020				--
Sulfite(as SO_3)		X	<2.00				--
Surfactants		X	<0.200				--
Boron, total	X		0.15				20
Cobalt, total	X		0.000632				0.3
Iron, total	X		0.36				7
Magnesium, total	X		8.59				20
Manganese, total	X		0.10				0.5
Molybdenum, total		X	<0.001				1
Tin, total		X	<0.010				5
Titanium, total		X	<0.040				30

* Indicate units if different from µ/L.

TABLE 6 (Instructions, Page 52)

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

TABLE 6 for Outfall No. 003M (Pond C-177)

Samples are (check one): Composites ☐ Grabs ■

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		X	<0.4				400
Color (PCU)	X		20				--
Nitrate-Nitrite(as N)		X	<0.1				--
Sulfide(as S)		X	<0.020				--
Sulfite(as SO_3)		X	<2.00				--
Surfactants	X		0.22				--
Boron, total	X		1.14				20
Cobalt, total	X		0.0003				0.3
Iron, total	X		0.051				7
Magnesium, total	X		26.10				20
Manganese, total	X		0.060				0.5
Molybdenum, total	X		0.004				1
Tin, total	X		0.016				5
Titanium, total		X	<0.040				30

* Indicate units if different from µ/L.

TABLE 6 (Instructions, Page 52)

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

TABLE 6 for Outfall No. 016M (Pond D-4)

Samples are (check one): Composites ☐ Grabs ■

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		X	<0.4				400
Color (PCU)	X		25				--
Nitrate-Nitrite(as N)		X	<0.1				--
Sulfide(as S)		X	<0.02				--
Sulfite(as SO_3)		X	<2.00				--
Surfactants		X	<0.2				--
Boron, total	X		0.42				20
Cobalt, total	X		0.0004				0.3
Iron, total	X		0.246				7
Magnesium, total	X		17.500				20
Manganese, total	X		0.0376				0.5
Molybdenum, total		X	<0.001				1
Tin, total		X	<0.010				5
Titanium, total		X	<0.040				30

* Indicate units if different from µ/L.

TABLE 6 (Instructions, Page 52)

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

TABLE 6 for Outfall No. 017R (Pond D-2)

Samples are (check one): Composites ☐ Grabs ■

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		X	<0.4				400
Color (PCU)	X		35				--
Nitrate-Nitrite(as N)		X	<0.1				--
Sulfide(as S)		X	<0.020				--
Sulfite(as SO_3)		X	<2.00				--
Surfactants		X	<2.00				--
Boron, total	X		0.02				20
Cobalt, total	X		0.0003				0.3
Iron, total	X		0.432				7
Magnesium, total	X		5.75				20
Manganese, total	X		0.091				0.5
Molybdenum, total		X	<0.001				1
Tin, total		X	<0.010				5
Titanium, total		X	<0.040				30

* Indicate units if different from µ/L.

Attachment O

SPIF Form

Luminant Mining Company LLC
Big Brown Lignite Mining Area
TPDES Permit No. WQ0002700000

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: Luminant Mining Company LLC

   Permit No. WQ00 02700000 EPA ID No. TX 0000752

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

   Approximately 3 miles northeast of the intersection of FM 833 and FM 2570

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

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

First and Last Name: Justin Ewing

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

Title: Environmental Manager – Compliance

Mailing Address: 6555 Sierra Drive

City, State, Zip Code: Irving, TX, 75039

Phone No.: 214-875-9130 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: justin.ewing@luminant.com

2. List the county in which the facility is located: Freestone
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.

To tributaries or directly into Pin Oak Creek, Bear Creek, Big Brown Creek, Myrtle Branch, Ball Branch, and Rocky Branch, and Fairfield Lake; thence to Tehuacana Creek; thence to the Trinity River above lake Livingstone (Segment 0804 of the Trinity River Basin)

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 16,500 acres have been impacted total for the life of the mine areas. Mining has ceased, and final reclamation is being conducted. Approximately 15,500 acres have been reclaimed. The depth for mining ranged from approximately 40 feet to 220 feet.

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

Existing disturbances include mine excavation and access roads. Reclamation land use includes 12% industrial commercial, 76% fish and wildlife habitat, 1% pastureland and 11% water resources.

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:

Click here to enter text.

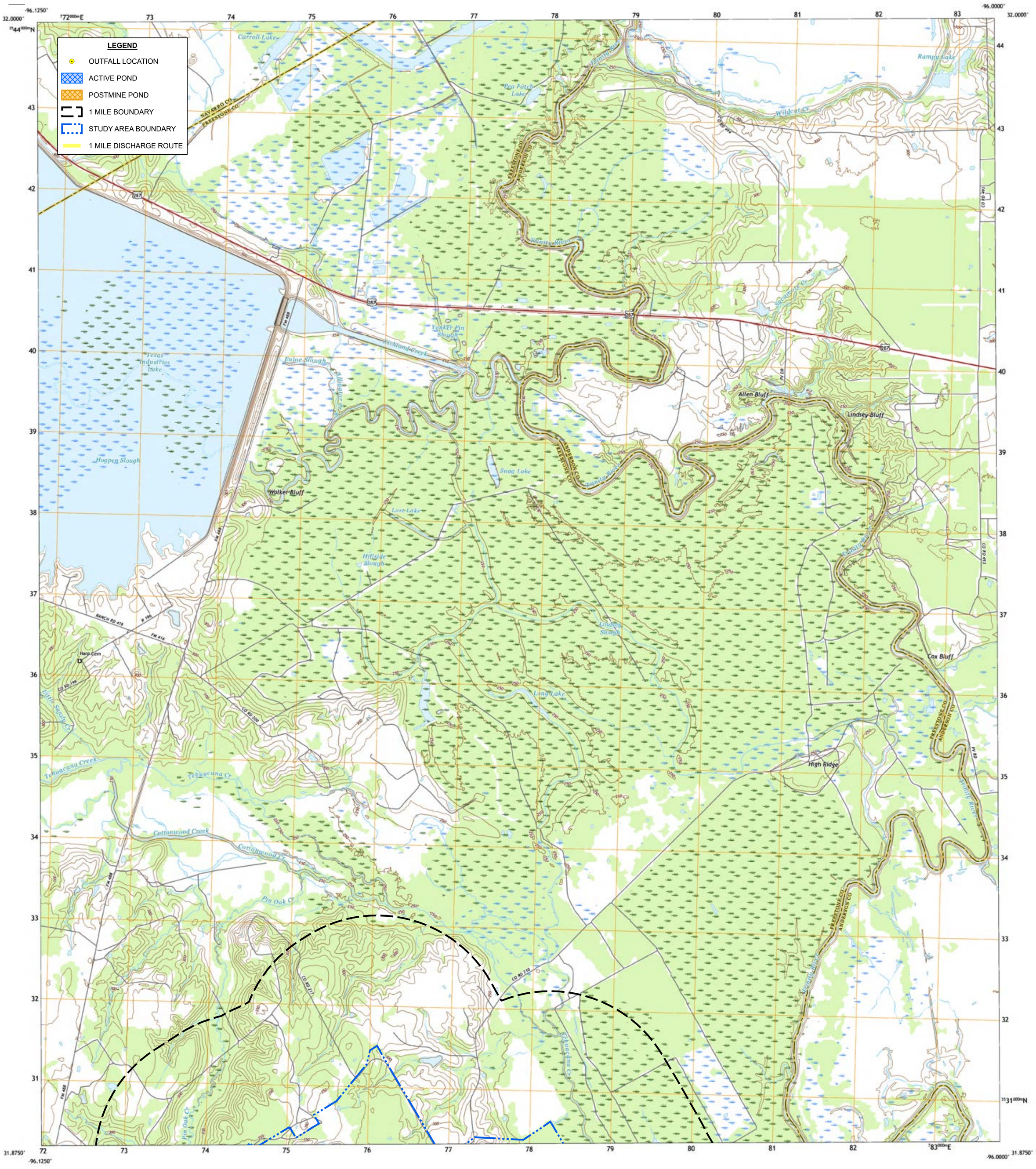
4. Provide a brief history of the property, and name of the architect/builder, if known.

Click here to enter text.

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

The National Map US Topo

ROUSTABOUT CAMP 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 14R

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
Names	GNIS,	1979 - 1991
Hydrography	National Hydrography Dataset,	2002 - 2022
Contours	National Elevation Dataset,	2019
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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.

TEXAS
QUADRANGLE LOCATION

ADJOINING QUADRANGLES
1 Goodlow Park
2 Creslenn Ranch
3 Cross Roads
4 Winkler
5 Cayuga
6 Stewards Mill
7 Young
8 Yard

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Big Brown Mine
SPIF-1 (1 of 6)

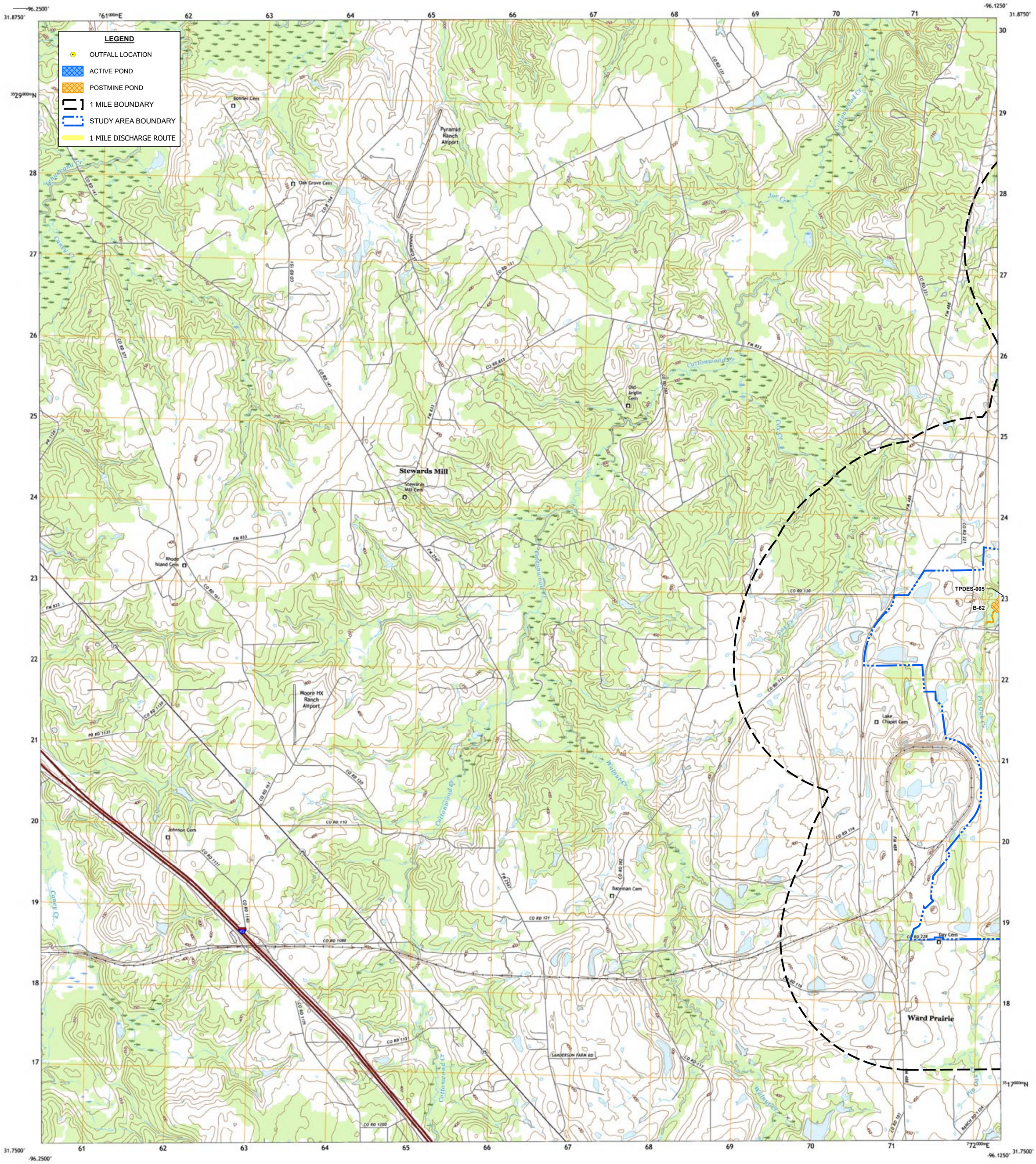
ROUSTABOUT CAMP, TX
2022
TPDES PERMIT NO. WQ0002700000

USGS science for a changing world

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

The National Map US Topo

STEWARDS MILL QUADRANGLE
TEXAS - FREESTONE COUNTY
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 14R
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
Names.....GNIS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2022
Contours.....National Elevation Dataset, 2019
Boundaries.....Multiple sources; see metadata file 2019 - 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
QA
Grid Zone Designation
14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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 Streetman
2 Winkler
3 Roustabout Camp
4 Kirvin
5 Young
6 Teague North
7 Fairfield
8 Turlington
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Big Brown Mine
SPIF-1 (2 OF 6)

STEWARDS MILL, TX
2022

TPDES PERMIT NO. WQ0002700000

USGS science for a changing world

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

The National Map US Topo

YOUNG QUADRANGLE
TEXAS
7.5-MINUTE SERIES

LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- 1 MILE BOUNDARY
- STUDY AREA BOUNDARY
- 1 MILE DISCHARGE ROUTE

OUTFALL 009R
C-104
C-255
OUTFALL 015R
OUTFALL 012R
WC-2
C-66
OUTFALL 007R
C-44
OUTFALL 013R
OUTFALL 001R
C-67
OUTFALL 006R
C-30
C-177
OUTFALL 003M
OUTFALL 005R
B-62
C-174
OUTFALL 002R
OUTFALL 016M
D-4/D-1
D-2
OUTFALL 017R

Young
Rehoboth Cem
Hickory Grove Cem
Chancellor Union Cem
Fairfield Lake
Timber Lake
Couch Lake

Produced by the United States Geological Survey

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World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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Imagery	NAIP,	September 2016 - November 2016
Roads	U.S. Census Bureau,	2015 - 2018
Names	GNIS,	1979 - 2022
Hydrography	National Hydrography Dataset,	2002 - 2022
Contours	National Elevation Dataset,	2019
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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.

ADJOINING QUADRANGLES
1 Winkler
2 Roustabout Camp
3 Cayuga
4 Stewards Mill
5 Yard
6 Fairfield
7 Turlington
8 Butler

ROAD CLASSIFICATION
Expressway, Secondary Hwy, Ramp, Local Connector, Local Road, 4WD
Interstate Route, US Route, State Route

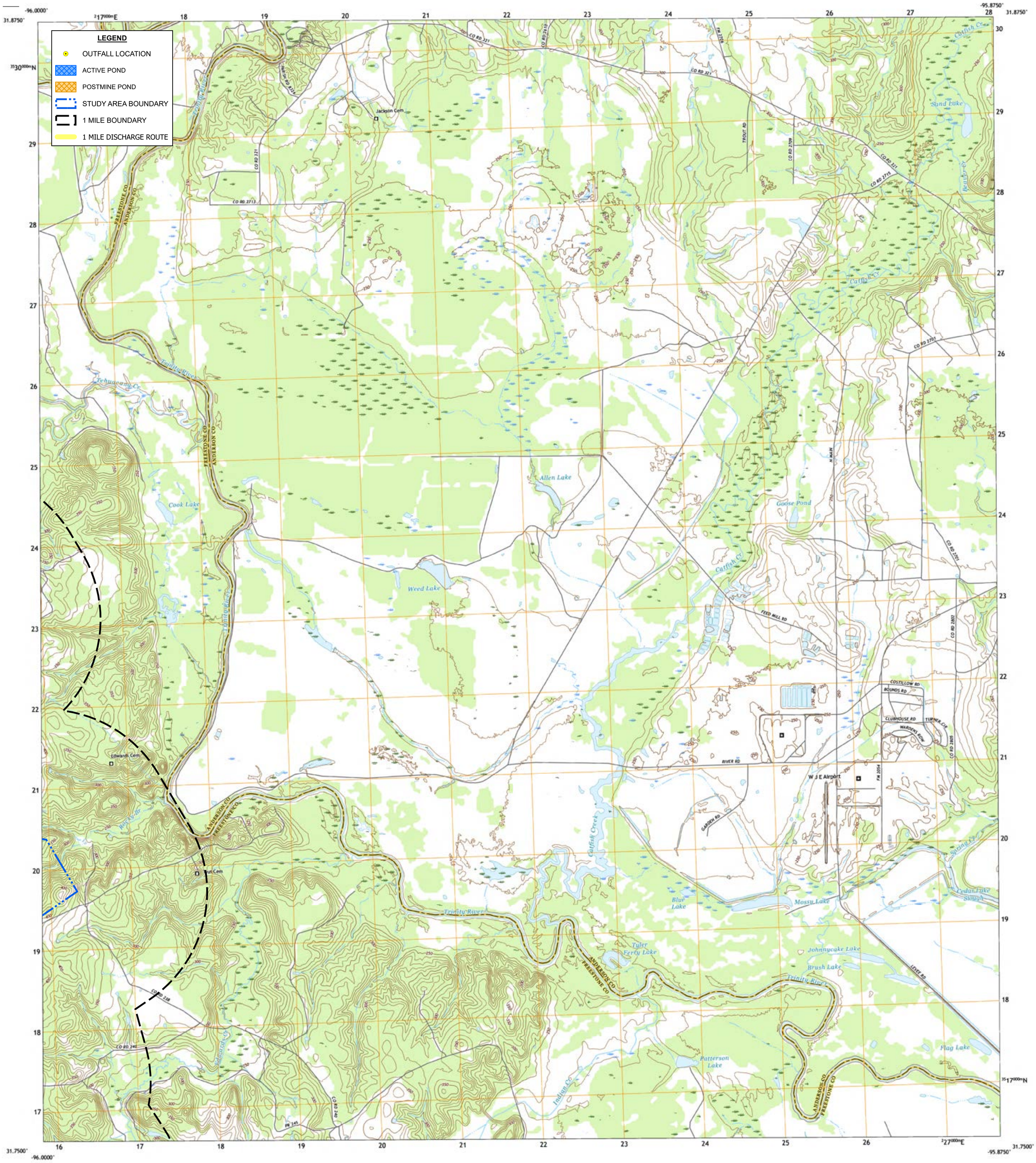
Big Brown/Turlington Mine
SPIF-1 (3 of 6)

YOUNG, TX
2022
TPDES PERMIT NO. WQ0002700000

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

The National Map US Topo

YARD 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 14R\15R

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Imagery	NAIP,	October 2016 - November 2016
Roads	U.S. Census Bureau,	2015 - 2018
Names	GNIS,	1979
Hydrography	National Hydrography Dataset,	2002 - 2018
Contours	National Elevation Dataset,	2018 - 2019
Boundaries	Multiple sources; see metadata file	2019 - 2021
Wetlands	FWS National Wetlands Inventory	Not Available

UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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 Roustabout Camp
2 Cayuga
3 Blackfoot
4 Young
5 Tennessee Colony
6 Turlington
7 Butler
8 Long Lake

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Turlington Mine
SPIF-1 (4 OF 6)

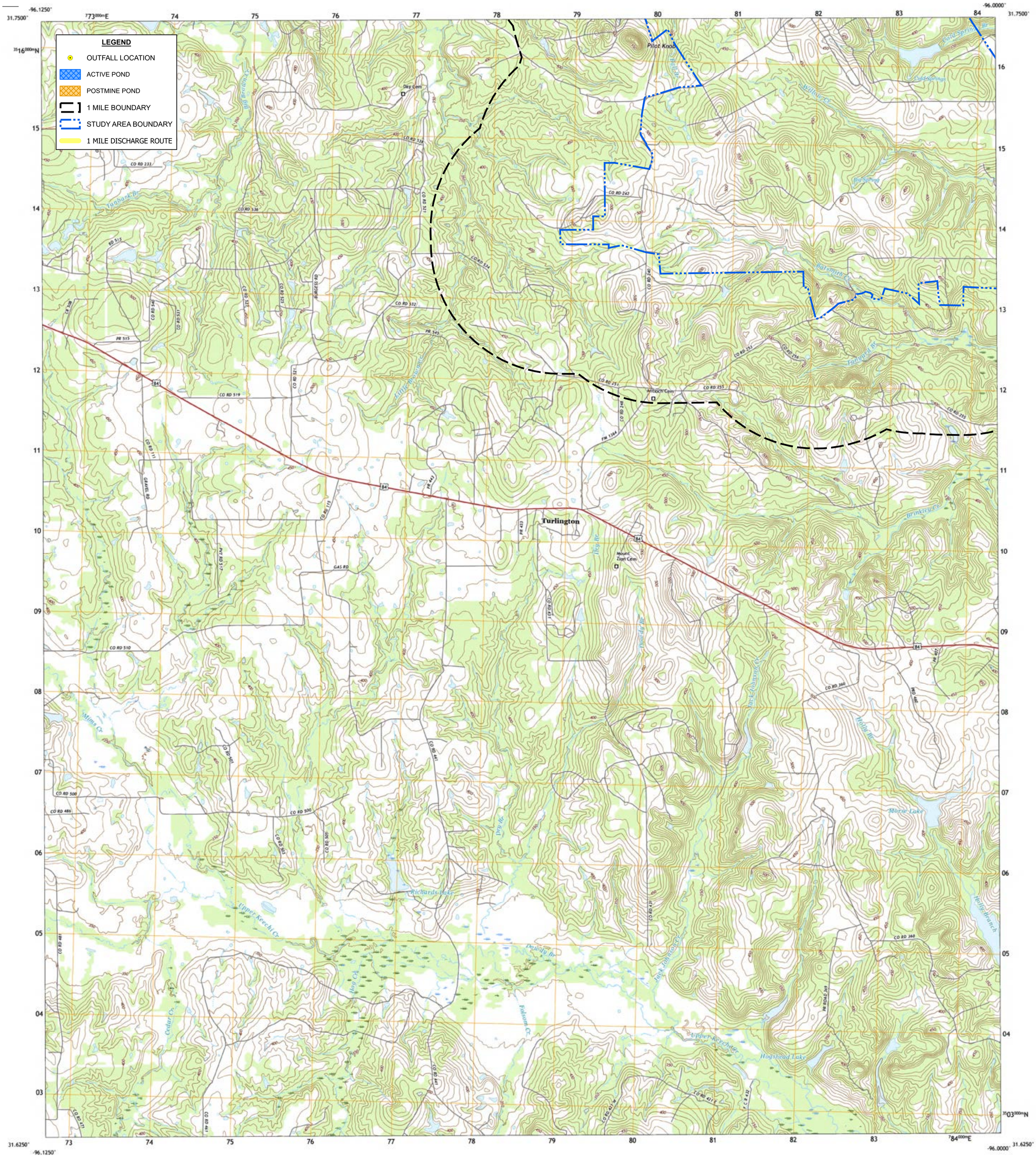
YARD, TX
2022

TPDES PERMIT NO. WQ0002700000

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

The National Map US Topo

TURLINGTON QUADRANGLE
TEXAS - FREESTONE COUNTY
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 14R
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Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015 - 2018
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2002 - 2022
Contours	National Elevation Dataset, 2019
Boundaries	Multiple sources; see metadata file 2019 - 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
QA | TR
Grid Zone Designation
14R | 15R
96°W

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

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

ADJOINING QUADRANGLES
1 Stewards Mill
2 Young
3 Yard
4 Fairfield
5 Butler
6 Dew
7 Lanely
8 Keechi

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

Turlington Mine
SPIF-1 (5 of 6)

TURLINGTON, TX
2022

TPDES PERMIT NO. WQ0002700000

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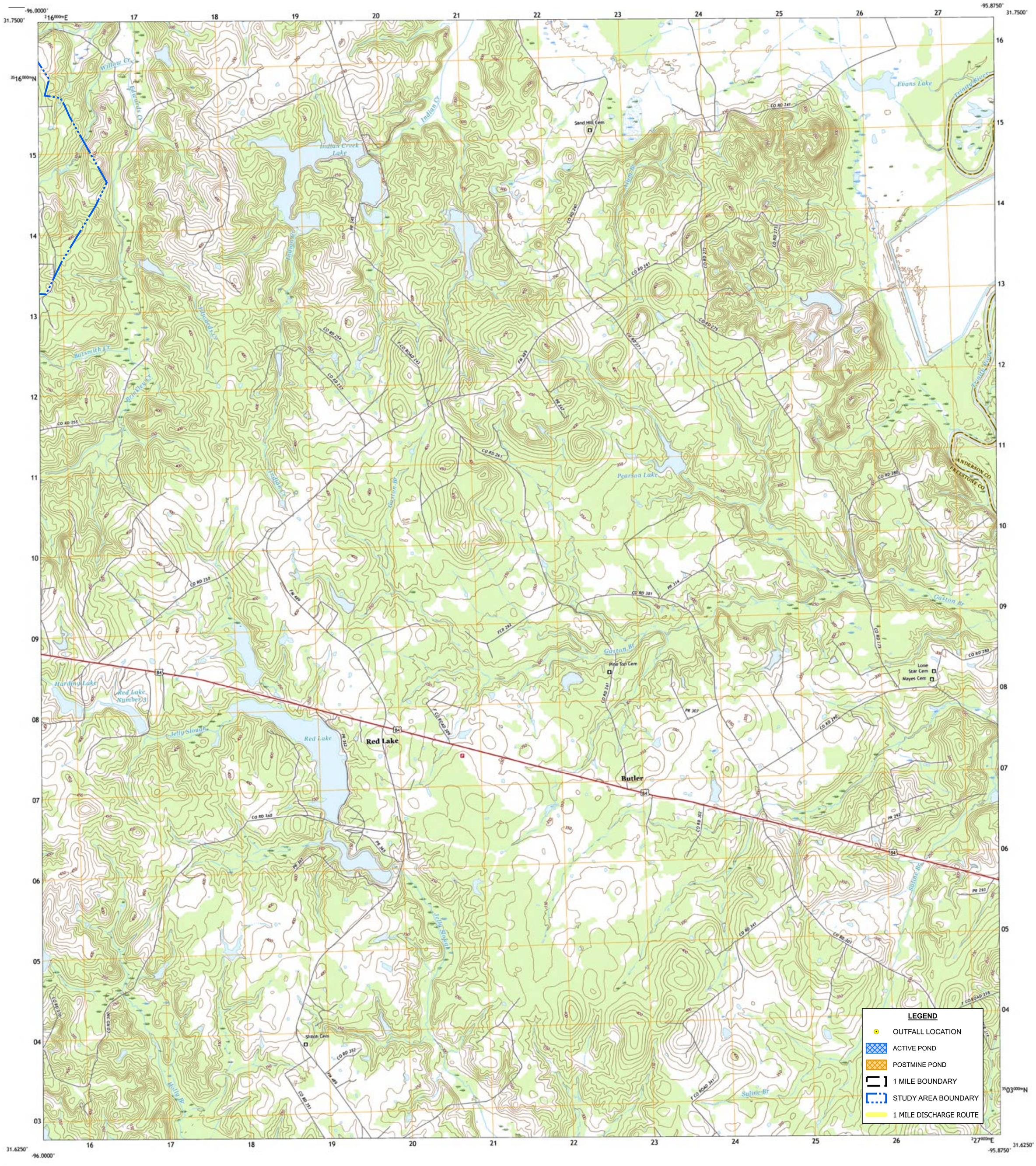
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

BUTLER QUADRANGLE
TEXAS
7.5-MINUTE SERIES



LEGEND

- OUTFALL LOCATION
- ACTIVE POND
- POSTMINE POND
- 1 MILE BOUNDARY
- STUDY AREA BOUNDARY
- 1 MILE DISCHARGE ROUTE

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 14R\15R

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Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015 - 2018
Names	GNIS, 1979 - 2022
Hydrography	National Hydrography Dataset, 2002 - 2022
Contours	National Elevation Dataset, 2019
Boundaries	Multiple sources; see metadata file 2019 - 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
QA | TR
96°W
Grid Zone Designation
14R | 15R
96°W

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

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	2	3
4		5
6	7	8

1 Young
2 Yard
3 Tennessee Colony
4 Turlington
5 Long Lake
6 Lanely
7 Keechi
8 Oakwood
ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway — Local Connector
Secondary Hwy — Local Road
Ramp — 4WD
Interstate Route — US Route — State Route

Turlington Mine
SPIF-1 (6 of 6)

BUTLER, TX
2022

TPDES PERMIT NO. WQ0002700000