



# 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

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) 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 of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.*

The Sabine Mining Company (CN\_600835797) operates South Hallsville No. 1 Mine - South Marshall Area (RN102185824), a lignite coal mining facility. The facility is located at 6501 Farm Road 968 West, in Hallsville, Harrison County, Texas 75650. The application is for the renewal to discharge industrial wastewater from active and post mining activities and sanitary wastewater from the onsite treatment facility. The application includes one active mining outfall and 27 post-mining outfalls. These industrial outfalls have varying discharge volumes since they are rain-dependent. Outfall 018 is the only active mining outfall and contains stormwater runoff from the active-mine area. Outfalls 001-007, 011, 013-014, 019, 021-024, 031, 038, 044-045, 048, 052-054, and 058-059 are post mining and only contain stormwater runoff. Outfall 050 is post-mining and contains stormwater runoff, sanitary wastewater from outfall 201 (0.012 MGD), and truck wash water. The status of various ponds/outfalls have been updated from the last renewal from active to post-mining status or



from post-mining to remediated/bond released. The facility has been reporting these updates to TCEQ as they occur per the terms of the current permit. Future outfalls 010, 015, and 017 are no longer planned to be constructed.

Discharges from the facility are expected to contain settleable solids for all the active and post-mining outfalls. Outfalls are treated by sedimentation ponds by gravity and flocculation of clay particles to meet effluent discharge limits. The on-site sanitary wastewater treatment plant consists of flow control baffles, a clarifier, aeration tank, and digester. Effluent is discharged from the plant through a 6" pipe to Sediment Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River. Truck wash water is drained to a sloped collection sump, and sediment is allowed to settle to the bottom. Truck wash water is then pumped through a pipe to Sedimentation Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River.

## 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.*

La Compañía Sabine Mining (CN600835797) opera el área de Mina South Hallsville n.º 1 – South Marshall (RN102185824), una planta minera de carbón lignito. La instalación está ubicada en 6501 Farm Road 968 West, en Hallsville, Condado de Harrison, Texas 75650. La solicitud es para la renovación del permiso para descargar aguas residuales industriales procedentes de actividades mineras activas y posteriores, así como aguas residuales sanitarias de la planta de tratamiento en la instalación. La solicitud incluye un emisario minero activo y 27 emisarios posteriores a la actividad minera. Estos emisarios industriales varían en el volumen de descarga, ya que dependen de las precipitaciones. El emisario 018 es el único emisario minero activo y contiene escorrentía de aguas lluvias de la zona minera en funcionamiento. Los emisarios 001-007, 011, 013-014, 019, 021-024, 031, 038, 044-045, 048, 052-054 y 058-059 son posteriores a la actividad minera y solo contienen escorrentía de aguas lluvias. El emisario 050 es posterior a la actividad minera y contiene escorrentía de aguas lluvias, aguas residuales sanitarias del emisario 201 (0.012 MGD) y agua de lavado de camiones. El estado de varios estanques/desagües se ha actualizado desde la última renovación, pasando de actividad minera activa a descarga posterior a la actividad minera o de post-minería a remediado/con fianza liberada. La instalación ha estado informando de estas actualizaciones a la TCEQ conforme se producen, según los términos del permiso vigente. Ya no está prevista la construcción de los futuros emisarios 010, 015 y 017.

Se espera que las descargas de la instalación contengan sólidos sedimentables de las actividades activas y posteriores a la minería. Los emisarios . **están** tratado por estanques de sedimentación mediante gravedad y floculación de partículas de arcilla para cumplir con los límites de descarga de efluentes necesarios. La planta de tratamiento de aguas residuales sanitarias de la instalación consta de deflectores de control de flujo, un clarificador, un tanque de aireación y un digestor. El efluente se descarga desde la planta a través de una tubería de 6” al estanque de sedimentación MF-1, que descarga a través de una tubería de 8” al arroyo Hatley y, desde allí, al río Sabine. El agua de lavado de camiones se drena a un sumidero de recogida inclinado, donde se deja que los sedimentos se depositen hasta el fondo. Posteriormente, el agua de lavado de camiones se bombea a través de una tubería a la balsa de sedimentación MF-1, que descarga a través de una tubería de 8” al arroyo Hatley y, desde allí, al río Sabine.

# TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

**PERMIT NO. WQ0002538000**

**APPLICATION.** The Sabine Mining Company, 6501 Farm-to-Market Road 968 West, Hallsville, Texas 75650, which operates a surface lignite coal mine, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0002538000 (EPA I.D. No. TX0088935) to authorize the discharge of stormwater runoff from the pond in the active mining area on an intermittent and flow-variable basis via Outfall 001M; stormwater runoff from the post-mining areas on an intermittent and flow-variable basis via Outfalls 001R-007R, 011R, 013R-014R, 019R, 021R-024R, 031R, 038R, 044R-045R, 048R, 052R-054R, and 058R-059R; treated and previously monitored sanitary wastewater from Outfall 201, truck wash water, and stormwater runoff from the post-mining areas on an intermittent and flow-variable basis via Outfall 050R; and treated domestic wastewater at a volume not to exceed a daily average flow of 6,000 gallons per day via Outfall 201. The site is located at 6501 Farm-to-Market Road 968 West, near the city of Hallsville, in Harrison County, Texas 75650. The discharge route is from the plant site via Outfalls 001R to Brandy Branch; via Outfall 002R to Spring Creek, thence to Long Slough, thence to Spring Creek; via Outfalls 003R, 004R, 021R-023R, 031R, 045R, and 050R to an unnamed tributary, thence to Hatley Creek; via Outfalls 044R, and 048R to Hatley Creek; via Outfalls 005R-007R, and 054R to an unnamed tributary of Sabine River Above Toledo Bend Reservoir; via Outfall 052R to an unnamed tributary, thence to Starkey Creek, thence to Potters Creek; via Outfalls 058R-059R to an unnamed tributary, thence to Colliers Creek, thence to Eight mile Creek; via Outfalls 011R, 013R, and 014R to an unnamed tributary, thence to Roseborough Creek, thence to Potters Creek; via Outfall 019R to Eight mile Creek; via Outfalls 018M/R and 053R to an unnamed tributary, thence to Potters Creek; via Outfalls 024R and 038R to an unnamed tributary, thence to Clarks Creek; thence all outfalls to Sabine River Above Toledo Bend Reservoir. TCEQ received this application on November 20, 2025. The permit application will be available for viewing and copying at Harrison County Courthouse, County Clerk's Office, Suite 143, 200 West Houston Street, Marshall, in Harrison County, Texas prior to the date this notice is published in the newspaper. The application 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=-94.52,32.467777&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](http://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](http://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 The Sabine Mining Company at the address stated above or by calling Mr. Josh McAfee, Environmental Manager, at 903-668-5501.

Issuance Date: December 15, 2025

# Comisión de Calidad Ambiental del Estado de Texas



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

**PERMISO NO. WQ0002538000**

**SOLICITUD.** La Sabine Mining Company, 6501 Farm-to-Market Road 968 West, Hallsville, Texas 75650, que opera una mina de lignito a cielo abierto, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0002538000 (EPA I.D. No. TX0088935) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas pluviales desde los estanques en las áreas posteriores a la minería de manera intermitente y con caudal variable a través del emisario 001M; escorrentía de aguas pluviales de las áreas posteriores a la minería de manera intermitente y con caudal variable a través de los emisario 001R-007R, 011R, 013R-014R, 019R, 021R-024R, 031R, 038R, 044R-045R, 048R, 052R-054R y 058R-059R; aguas residuales sanitarias tratadas y previamente monitoreadas del emisario 201, agua de lavado de camiones y escorrentía de aguas pluviales de las áreas posteriores a la minería de manera intermitente y con caudal variable a través del emisario 050R; y aguas residuales domésticas tratadas en un volumen que no exceda un caudal promedio diario de 6,000 galones por día a través del emisario 201. La planta está ubicada 6501 Farm-to-Market Road 968 West, cerca de la ciudad de Hallsville, en el Condado de Harrison, Texas 75650. La ruta de descarga es del sitio de la planta a través de los emisarios 001R hasta Brandy Branch; a través del emisario 002R hasta Spring Creek, de allí a Long Slough, de allí a Spring Creek; a través de los emisario 003R, 004R, 021R-023R, 031R, 045R y 050R hasta un afluente sin nombre, de allí a Hatley Creek; a través de los emisarios 044R y 048R hasta Hatley Creek; a través de los emisarios 005R-007R y 054R hasta un afluente sin nombre de Sabine River Above Toledo Bend Reservoir; a través del emisario 052R hasta un afluente sin nombre, de allí a Starkey Creek, de allí a Potters Creek; a través de los emisarios 058R-059R hasta un afluente sin nombre, de allí a Colliers Creek, de allí a Eight Mile Creek; por los emisarios 011R, 013R y 014R hasta un afluente sin nombre, de allí a Roseborough Creek, de allí a Potters Creek; por el emisario 019R hasta Eight Mile Creek; por los emisarios 018M/R y 053R hasta un afluente sin nombre, de allí a Potters Creek; por los emisarios 024R y 038R hasta un afluente sin nombre, de allí a Clarks Creek; de allí todos los emisarios hasta Sabine River Above Toledo Bend Reservoir. La TCEQ recibió esta solicitud el 20 de noviembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Harrison County Courthouse, Oficina del secretario del Condado, Suite 143, 200 West Houston Street, Marshall, en el Condado de Harrison, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud 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=-94.52,32.467777&level=18>.

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

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

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

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

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

**cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.**

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

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

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

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

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

También se puede obtener información adicional del The Sabine Mining Company a la dirección indicada arriba o llamando al Sr. Josh McAfee, Gerente Ambiental, al 903-668-5501.

Fecha de emisión: 15 de diciembre de 2025

## Leah Whallon

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**From:** Sarah Zagurski <Sarah.Zagurski@bsigroup.com>  
**Sent:** Thursday, December 4, 2025 12:20 PM  
**To:** Leah Whallon  
**Cc:** josh.mcafee@nacoal.com; Martin, Angela  
**Subject:** RE: Application to Renew Permit No. WQ0002538000; South Hallsville Mine 1 South Marshall Area  
**Attachments:** Industrial Discharge Renewal Spanish NORI Rusk.docx; Industrial Discharge Renewal Spanish NORI S Marshall.docx  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Thanks Leah, please see the Spanish translated versions attached and let me know if anything else is needed at this time.

Thanks!

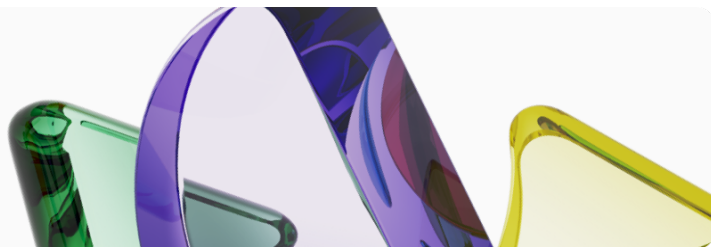
### Sarah Zagurski, PG

Associate Consultant  
Dallas-Fort Worth Metroplex  
C: 214 263 4016

[Sarah.Zagurski@bsigroup.com](mailto:Sarah.Zagurski@bsigroup.com)  
[bsigroup.com](https://www.bsigroup.com) | [LinkedIn](#)



Your partner  
in progress



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**From:** Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>  
**Sent:** Tuesday, December 2, 2025 11:00 AM  
**To:** Sarah Zagurski <Sarah.Zagurski@bsigroup.com>  
**Cc:** josh.mcafee@nacoal.com; Martin, Angela <angela.martin@nacoal.com>  
**Subject:** RE: Application to Renew Permit No. WQ0002538000; South Hallsville Mine 1 South Marshall Area

**\* This message originated from outside of BSI. Please treat hyperlinks, attachments and instructions in this email with caution. \***

Thank you, Sarah.

The suggested edits are approved for both 02538 and 04933. Please see attached. Let me know if you have any questions.

Thanks,

# 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. WQ0002538000**

**SOLICITUD.** La Sabine Mining Company, 6501 Farm-to-Market Road 968 West, Hallsville, Texas 75650, que opera una mina de lignito a cielo abierto, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0002538000 (EPA I.D. No. TX0088935) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas pluviales desde los estanques en las áreas posteriores a la minería de manera intermitente y con caudal variable a través del emisario 001M; escorrentía de aguas pluviales de las áreas posteriores a la minería de manera intermitente y con caudal variable a través de los emisario 001R-007R, 011R, 013R-014R, 019R, 021R-024R, 031R, 038R, 044R-045R, 048R, 052R-054R y 058R-059R; aguas residuales sanitarias tratadas y previamente monitoreadas del emisario 201, agua de lavado de camiones y escorrentía de aguas pluviales de las áreas posteriores a la minería de manera intermitente y con caudal variable a través del emisario 050R; y aguas residuales domésticas tratadas en un volumen que no exceda un caudal promedio diario de 6,000 galones por día a través del emisario 201. La planta está ubicada 6501 Farm-to-Market Road 968 West, cerca de la ciudad de Hallsville, en el Condado de Harrison, Texas 75650. La ruta de descarga es del sitio de la planta a través de los emisarios 001R hasta Brandy Branch; a través del emisario 002R hasta Spring Creek, de allí a Long Slough, de allí a Spring Creek; a través de los emisario 003R, 004R, 021R-023R, 031R, 045R y 050R hasta un afluente sin nombre, de allí a Hatley Creek; a través de los emisarios 044R y 048R hasta Hatley Creek; a través de los emisarios 005R-007R y 054R hasta un afluente sin nombre de Sabine River Above Toledo Bend Reservoir; a través del emisario 052R hasta un afluente sin nombre, de allí a Starkey Creek, de allí a Potters Creek; a través de los emisarios 058R-059R hasta un afluente sin nombre, de allí a Colliers Creek, de allí a Eight Mile Creek; por los emisarios 011R, 013R y 014R hasta un afluente sin nombre, de allí a Roseborough Creek, de allí a Potters Creek; por el emisario 019R hasta Eight Mile Creek; por los emisarios 018M/R y 053R hasta un afluente sin nombre, de allí a Potters Creek; por los emisarios 024R y 038R hasta un afluente sin nombre, de allí a Clarks Creek; de allí todos los emisarios hasta Sabine River Above Toledo Bend Reservoir. La TCEQ recibió esta solicitud el 20 de noviembre de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Harrison County Courthouse; Oficina del Secretario del Condado, Suite 143, 200 West Houston Street, Marshall, en el Condado de Harrison, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud está disponible para su visualización y copia 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=-94.52,32.467777&level=18>.

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

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

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

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

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

**ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.**

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

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

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

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

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

También se puede obtener información adicional de Sabine Mining Company a la dirección indicada arriba o llamando al Sr. Josh McAfee, Gerente Ambiental, al 903-668-5501.

Fecha de emisión: *[Date notice issued]*



Brooke T. Paup, *Chairwoman*  
Catarina R. Gonzales, *Commissioner*  
Tonya R. Miller, *Commissioner*  
Kelly Keel, *Executive Director*



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

November 20, 2025

Re: Confirmation of Submission of the Renewal with changes for Industrial Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal with changes for the Industrial Wastewater authorization.

ER Account Number: ER051340  
Application Reference Number: 818488  
Authorization Number: WQ0002538000  
Site Name: South Hallsville Mine 1 South Marshall Area  
Regulated Entity: RN102185824 - South Hallsville Mine 1 South Marshall Area  
Customer(s): CN600835797 - The Sabine Mining Company

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

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

Sincerely,  
Applications Review and Processing Team  
Water Quality Division

## Texas Commission on Environmental Quality

Update Domestic or Industrial Individual Permit

WQ0002538000

### Site Information (Regulated Entity)

What is the name of the site to be authorized?	SOUTH HALLSVILLE MINE 1 SOUTH MARSHALL AREA
Does the site have a physical address?	Yes
<b>Physical Address</b>	
Number and Street	6501 FM 968 W
City	HALLSVILLE
State	TX
ZIP	75650
County	HARRISON
Latitude (N) (##.#####)	32.467777
Longitude (W) (-###.#####)	-94.52
Primary SIC Code	1221
Secondary SIC Code	
Primary NAICS Code	212111
Secondary NAICS Code	
<b>Regulated Entity Site Information</b>	
What is the Regulated Entity's Number (RN)?	RN102185824
What is the name of the Regulated Entity (RE)?	SOUTH HALLSVILLE MINE 1 SOUTH MARSHALL AREA
Does the RE site have a physical address?	Yes
<b>Physical Address</b>	
Number and Street	6501 FM 968 W
City	HALLSVILLE
State	TX
ZIP	75650
County	HARRISON
Latitude (N) (##.#####)	33.466944
Longitude (W) (-###.#####)	-94.519166
Facility NAICS Code	
What is the primary business of this entity?	LIGNITE MINING OPERATION

### The Sab-Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600835797
Type of Customer	Corporation
<b>Full legal name of the applicant:</b>	
Legal Name	The Sabine Mining Company
Texas SOS Filing Number	11269006
Federal Tax ID	311005293
State Franchise Tax ID	13110052936
State Sales Tax ID	

Local Tax ID	
DUNS Number	
Number of Employees	251-500
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
<b>Responsible Authority Contact</b>	
Organization Name	The Sabine Mining Company
Prefix	
First	Josh
Middle	
Last	McAfee
Suffix	
Credentials	
Title	Environmental Manager
<b>Responsible Authority Mailing Address</b>	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6501 FM 968 W
Routing (such as Mail Code, Dept., or Attn:)	
City	HALLSVILLE
State	TX
ZIP	75650
Phone (###-###-####)	9036685501
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	9036604202
E-mail	JOSH.MCAFEE@NACOAL.COM

Billing Contact

<b>Responsible contact for receiving billing statements:</b>	
Select the permittee that is responsible for payment of the annual fee.	CN600835797, The Sabine Mining Company
Organization Name	The Sabine Mining Company
Prefix	MS
First	Holly
Middle	
Last	Crawford
Suffix	
Credentials	
Title	Business Manager
Enter new address or copy one from list:	
<b>Mailing Address</b>	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6501 FM 968 W
Routing (such as Mail Code, Dept., or Attn:)	
City	HALLSVILLE
State	TX

ZIP	75650
Phone (###-###-####)	9036685503
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	Holly.Crawford@NACOAL.COM

## Application Contact

### Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	THE SABINE MINING COMPANY
Prefix	MR
First	JOSH
Middle	
Last	MCAFEE
Suffix	
Credentials	
Title	ENVIRONMENTAL MANAGER

Enter new address or copy one from list:

### Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	6501 FM 968 W
Routing (such as Mail Code, Dept., or Attn:)	
City	HALLSVILLE
State	TX
ZIP	75650
Phone (###-###-####)	9036685501
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	JOSH.MCAFEE@NACOAL.COM

## Technical Contact

### Person TCEQ should contact for questions about this application:

Same as another contact?

Organization Name	BSI America Professional Services
Prefix	MRS
First	Sarah
Middle	
Last	Zagurski
Suffix	
Credentials	PG
Title	Associate Consultant

Enter new address or copy one from list:

### Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	1108 GRANGER DR

Routing (such as Mail Code, Dept., or Attn:)

City

State

ZIP

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

MCKINNEY

TX

75071

2142634016

Sarah.Zagurski@bsigroup.com

## DMR Contact

### Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?

Organization Name

Prefix

First

Middle

Last

Suffix

Credentials

Title

Enter new address or copy one from list:

### Mailing Address:

Address Type

Mailing Address (include Suite or Bldg. here, if applicable)

Routing (such as Mail Code, Dept., or Attn:)

City

State

ZIP

Phone (###-###-####)

Extension

Alternate Phone (###-###-####)

Fax (###-###-####)

E-mail

Application Contact

THE SABINE MINING COMPANY

MR

JOSH

MCAFEE

ENVIRONMENTAL MANAGER

Domestic

6501 FM 968 W

HALLSVILLE

TX

75650

9036685548

JOSH.MCAFEE@NACOAL.COM

## Section 1# Permit Contact

### Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?

2) Organization Name

3) Prefix

4) First

5) Middle

6) Last

7) Suffix

8) Credentials

DMR Contact

THE SABINE MINING COMPANY

MR

JOSH

MCAFEE

## ENVIRONMENTAL MANAGER

JOSH.MCAFEE@NACOAL.COM

Angela.Martin@NACOAL.COM

6501 Farm Road 968 West



5) City	Hallsville
6) State	TX
7) Zip Code	75650
8) Phone (###-###-####)	9036685501
9) Extension	
10) Email	josh.mcafee@nacoal.com
11) What is ownership of the treatment facility?	Private
<b>Owner of Land (where treatment facility is or will be)</b>	
12) Prefix	
13) First and Last Name	
14) Organization Name	SWEPCO
15) Mailing Address	2365 FM 3251
16) City	Hallsville
17) State	TX
18) Zip Code	75650
19) Phone (###-###-####)	3186733204
20) Extension	
21) Email	ckoenig@aep.com
22) Is the landowner the same person as the facility owner or co-applicant?	No

## General Information Renewal-Amendment

1) Current authorization expiration date:	06/04/2026
2) Current Facility operational status:	Active
3) Is the facility located on or does the treated effluent cross American Indian Land?	No
4) What is the application type that you are seeking?	Renewal with changes
4.1) Describe the proposed changes:	The status of various ponds/outfalls have been updated from active to post-mining status or from post-mining to remediated/bond released. The facility has been reporting these updates to TCEQ as they occur per the terms of the current permit. Future outfalls 010, 015, and 017 are no longer planned to be constructed.
5) Current Authorization type:	Industrial Wastewater
5.1) What is your EPA facility classification?	Minor
5.1.1) Are the discharges at your facility subjected to federal effluent limitation guidelines (ELG) 40 CFR Part 400-471?	No
5.1.1.1) Select the applicable fee for the Minor facility that is not subjected to 40 CFR 400-471:	Renewal - \$315
6) What is the classification for your authorization?	TPDES
6.1) What is the EPA Identification Number?	TX0088935
6.2) Is the wastewater treatment facility location in the existing permit accurate?	Yes
6.3) Are the point(s) of discharge and the discharge route(s) in the existing permit correct?	Yes
6.4) City nearest the outfall(s):	Marshall and Hallsville
6.5) County where the outfalls are located:	HARRISON
6.6) Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?	No

6.7) Is the daily average discharge at your facility of 5 MGD or more?

No

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

No

## Public Notice Information

### Individual Publishing the Notices

1) Prefix

MR

2) First and Last Name

Josh McAfee

3) Credential

4) Title

Environmental Manager

5) Organization Name

The Sabine Mining Company

6) Mailing Address

6501 FM 968 W

7) Address Line 2

8) City

HALLSVILLE

9) State

TX

10) Zip Code

75650

11) Phone (###-###-####)

9036685501

12) Extension

13) Fax (###-###-####)

14) Email

josh.mcafee@nacoal.com

### Contact person to be listed in the Notices

15) Prefix

MR

16) First and Last Name

Josh McAfee

17) Credential

18) Title

Environmental Manager

19) Organization Name

The Sabine Mining Company

20) Phone (###-###-####)

9036685501

21) Fax (###-###-####)

22) Email

josh.mcafee@nacoal.com

### Bilingual Notice Requirements

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

Yes

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

Yes

23.2) Do the students at these schools attend a bilingual education program at another location?

No

23.3) Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC 89.1205(g)?

No

23.4) Which language is required by the bilingual program?

Spanish

## Section 1# Public Viewing Information

### County#: 1

1) County

HARRISON

2) Public building name

Harrison County Courthouse

3) Location within the building

Office of the County Clerk

4) Physical Address of Building

200 West Houston St., Room 143

5) City

Marshall

6) Contact Name	
7) Phone (###-###-####)	9039358403
8) Extension	
9) Is the location open to the public?	Yes

## Lease Agreement or Deed Attachment

1) Attach a lease agreement or deed recorded easement

[File Properties]

File Name	LEASE_Rep Lease Docs.pdf
Hash	FA17096BCD0A7388397225A6285C17486CB432212F7A572140F3EFED8FF3E277
MIME-Type	application/pdf

[File Properties]

File Name	LEASE_WQ0002583000 - Authorization to Access and Utilize Property.pdf
Hash	6EEDCEC0DF1DFC52A34A48B7D906CC9C951E0AC174FB4858CE3BA8F6F65C69B7
MIME-Type	application/pdf

## Plain Language

1) Plain Language

[File Properties]

File Name	LANG_Plain Language Summary S Marshall.pdf
Hash	6FC6B706FF8A8BDC65617461FD5A1B93752F03B26D4DC18FCB1096E621FBA497
MIME-Type	application/pdf

## Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_SPIF Form.pdf
Hash	E8AF89AB089FC2D684F238C0D241A127950B0DF6F1BD6E7892FB3CCE0458ADD6
MIME-Type	application/pdf

## Industrial Attachments

1) Attach an 8.5"x11", reproduced portion of the most current and original USGS Topographic Quadrangle Map(s) that meets the 1:24,000 scale.

[File Properties]

File Name	MAP_Combined Topos.pdf
Hash	30A48B54E469CC4403BD89AF92457008D6CCB0D45D5A811161A689B052F7C327
MIME-Type	application/pdf

2) I confirm that all required sections of Technical Report 1.0 are complete and will be included in the Technical Attachment.	Yes
--	-----

2.1) I confirm that Worksheet 2.0 (Pollutant Analyses Requirements) is complete and included in the Technical Attachment.	Yes
---	-----

2.2) I confirm that Worksheet 4.0 (Receiving Waters) is complete and included in the Technical Attachment.	Yes
2.3) Are you planning to include Worksheet 4.1 (Waterbody Physical Characteristics) in the Technical Attachment?	No
2.4) Are you planning to include Worksheet 6.0 (Industrial Waste Contribution) in the Technical Attachment?	No
2.5) Are you planning to include Worksheet 7.0 (Stormwater Discharges Associated with Industrial Activities) to the Technical Attachment?	No
2.6) Are you planning to include Worksheet 8.0 (Aquaculture) in the Technical Attachment?	No
2.7) Are you planning to include Worksheet 9.0 (Class V Injection Well Inventory/Authorization) in the Technical Attachment?	No
2.8) Are you planning to include Worksheet 10.0 (Quarries in the John Graves Scenic Riverway) in the Technical Attachment?	No
2.9) Are you planning to include Worksheet 11.0 (Cooling Water System Information) in the Technical Attachment?	No
2.10) Are you planning to include Worksheet 11.1 (Impingement Mortality) in the Technical Attachment?	No
2.11) Are you planning to include Worksheet 11.2 (Source Water Biological Data) in the Technical Attachment?	No
2.12) Are you planning to include Worksheet 11.3 (Entrainment) in the Technical Attachment?	No

#### 2.13) Technical Attachment

[File Properties]

File Name	TECH_Technical Report_S Marshall.pdf
Hash	346249FCAFA181B83FB6B6E7BC4AA228F8047C544F899F446BAA5C7B95E9920C
MIME-Type	application/pdf

#### 3) Flow Diagram

[File Properties]

File Name	FLDIA_Attachment 3 - Flow Schematic with Water Balance.pdf
Hash	F6C1DEA85C6DA96FD78F6CB644F55C4D8C44394EA2CE9FBFC66845C43297B535
MIME-Type	application/pdf

#### 4) Site Drawing

[File Properties]

File Name	SITEDR_Attachment 2 - Facility Map.pdf
Hash	7960B5991F93B0D4D5C56C30AB29A056D0B4436C4980A8CB68C1118529333C8D
MIME-Type	application/pdf

#### 5) Design Calculations

[File Properties]

File Name	DES_CAL_Attachment 4 - S Marshall Impoundment Table Update.pdf
Hash	A7F40501A6F742CD4F56AAB13F55F2E909D595AD787969A412C11A4ADCCA4862
MIME-Type	application/pdf

[File Properties]

File Name	DES_CAL_Attachment 5 - S Marshall Outfall Disposal Table.pdf
Hash	40B0F927FD840840E5AF113EA8A8BD515DB20F608B96DD0EA6F65BF4AE69D3D7
MIME-Type	application/pdf

## 6) Solids Management Plan

## 7) Water Balance

### [File Properties]

File Name	WB_Attachment 3 - Flow Schematic with Water Balance.pdf
Hash	F6C1DEA85C6DA96FD78F6CB644F55C4D8C44394EA2CE9FBFC66845C43297B535
MIME-Type	application/pdf

## 8) Other Attachments

### [File Properties]

File Name	OTHER_Attachment 6 - Wastewater Renewal Permit Tables - S Marshall.pdf
Hash	BF37663677E3511EE9A68DA46BF22B1D7B52FBE0E48FD0AEFEE8050F7B05392E
MIME-Type	application/pdf

### [File Properties]

File Name	OTHER_Attachment 7 - Sabine Mine TPDES Renewal S Marshall Area TCEQ Sampling Request Letter 110525.pdf
Hash	03A98CDA9832F34978A26DD55736AC6594038BE4B539CEB80DA0C7CE7488A4CC
MIME-Type	application/pdf

### [File Properties]

File Name	OTHER_Attachment 8 - Sludge Plant Contract.pdf
Hash	49C8989568B100A99D3A94458523F438AE0974590A36A959BDF2370B56618D7D
MIME-Type	application/pdf

### [File Properties]

File Name	OTHER_Attachment 1 - Core Data Form.pdf
Hash	DE5A6D019414F4E64F8BC722C6408A16B1DC04F4C8C33359D58A0DB757BCD616
MIME-Type	application/pdf

## Certification

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

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

1. I am Josh McAfee, the owner of the STEERS account ER051340.
2. I have the authority to sign this data on behalf of the applicant named above.
3. I have personally examined the foregoing and am familiar with its content and the content of any attachments, and based upon my personal knowledge and/or inquiry of any individual responsible for information contained herein, that this information is true, accurate, and complete.
4. I further certify that I have not violated any term in my TCEQ STEERS participation agreement and that I have no reason to believe that the confidentiality or use of my password has been compromised at any time.
5. I understand that use of my password constitutes an electronic signature legally equivalent to my written signature.
6. I also understand that the attestations of fact contained herein pertain to the implementation, oversight and enforcement of a state and/or federal environmental program and must be true and complete to the best of my knowledge.
7. I am aware that criminal penalties may be imposed for statements or omissions that I know or have reason to believe are untrue or misleading.
8. I am knowingly and intentionally signing Update Domestic or Industrial Individual Permit WQ0002538000.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Josh McAfee OWNER

Customer Number:

CN600835797

Legal Name:

The Sabine Mining Company

Account Number:

ER051340

Signature IP Address:

24.35.137.114

Signature Date:

2025-11-20

Signature Hash:

E783FB9B52A06AE0F5A030182DB0700913D15D257B13C4F2739D8FE05A1753F5

Form Hash Code at time of

8FA6D42263EE79A66F8EBD21F0C9B2AE6D5BFD3CB56287AC4274F264480649B5

Signature:

## Fee Payment

Transaction by:

The application fee payment transaction was made by ER051340/Josh McAfee

Paid by:

The application fee was paid by HOLLY CRAWFORD

Fee Amount:

\$300.00

Paid Date:

The application fee was paid on 2025-11-20

Transaction/Voucher number:

The transaction number is 582EA000696570 and the voucher number is 795439

## Submission

Reference Number:

The application reference number is 818488

Submitted by:

The application was submitted by ER051340/Josh McAfee

Submitted Timestamp:

The application was submitted on 2025-11-20 at 16:01:45 CST

Submitted From:

The application was submitted from IP address 24.35.137.114

Confirmation Number:

The confirmation number is 697623

Steers Version:

The STEERS version is 6.93

Permit Number:

The permit number is WQ0002538000

## Additional Information

Application Creator: This account was created by Sarah C Zagurski





# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600835797		RN 102185824

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
The Sabine Mining Company					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)	
11269006		13110052936		311005293	
<b>10. DUNS Number</b> (if applicable)					
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>			
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>		6501 Farm Road 968 West			
City		Hallsville		State	TX
ZIP		75650		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)			<b>17. E-Mail Address</b> (if applicable)		
			josh.mcafee@nacoal.com		

<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 903 ) 668-5501		( 903 ) 660-4202

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
South Hallsville No. 1 Mine South Masrshall Area								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	6501 Farm Road 968 West							
	<b>City</b>	Hallsville	<b>State</b>	TX	<b>ZIP</b>	75650	<b>ZIP + 4</b>	
<b>24. County</b>	Harrison							

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

<b>25. Description to Physical Location:</b>								
<b>26. Nearest City</b>						<b>State</b>	<b>Nearest ZIP Code</b>	
<i>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).</i>								
<b>27. Latitude (N) In Decimal:</b>						<b>28. Longitude (W) In Decimal:</b>		
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
<b>29. Primary SIC Code</b>	<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>			<b>32. Secondary NAICS Code</b>		
(4 digits)	(4 digits)		(5 or 6 digits)			(5 or 6 digits)		
1221			212111					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)								
Lignite Coal Mining Activities								
<b>34. Mailing Address:</b>	6501 Farm Road 968 West							
	<b>City</b>	Hallsville	<b>State</b>	TX	<b>ZIP</b>	75650	<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>	josh.mcafee@nacoal.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 903 ) 668-5501					( 903 ) 660-4204			

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0002538000			

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Sarah Zagurski			<b>41. Title:</b>	Associate Consultant
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>		
( 214 ) 263-4016		( ) -	sarah.zagurski@bsigroup.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.

<b>Company:</b>	The Sabine Mining Company		<b>Job Title:</b>	Environmental Manager	
<b>Name (In Print):</b>	Josh McAfee			<b>Phone:</b>	( 903 ) 668- 5501
				<b>Date:</b>	11/20/2025



November 5, 2025

Thomas Starr  
Wastewater Permitting, Industrial Permits, MC-148  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin TX 78753

**Re: Industrial Wastewater Permit Renewal Application; The Sabine Mining Company – South Hallsville No. 1 Mine – South Marshall Area  
6501 Farm Road 968 West Hallsville, Texas 75650  
TPDES Permit No. WQ0002538000  
CN600835797, RN102185824**

Dear Thomas Starr:

On behalf of The Sabine Mining Company (Sabine Mine), BSI America Professional Services (BSI) is requesting concurrence with reduced sampling requirements for Sabine Mine's renewal application of Texas Pollutant Discharge Elimination System (TPDES) Industrial Wastewater Permit No. WQ0002538000 for the South Hallsville No. 1 Mine – South Marshall Area facility. The mining operations covered under this permit are located in Harrison County, Texas.

During the 2010, 2015, and 2020 permit application process, the Texas Commission on Environmental Quality (TCEQ) agreed to reduced sampling requirements during the permit application process. Specifically, the TCEQ agreed to allow for sampling representative, substantially similar outfalls at a reduced frequency (one sample from one discharge event per outfall rather than four samples from each outfall over four consecutive weeks) for the permit renewal application. Reduced sampling is justified because the size of the ponds and the predominance of stormwater collected in the ponds allow for little variability in the quality and constituents in the water. Historically, Sabine Mine has sampled representative active mining ponds receiving substantially similar wastewater and post mining ponds receiving substantially similar water.

The current wastewater permit issued on June 4, 2021, contains "Other Requirement" 5, which provides for representative sampling of substantially identical outfalls in accordance with 40 Code of Federal Regulation (CFR) §122.21(g)(7). However, it does not make reference or provide guidance for the reduced frequency. As such, Sabine Mine proposes sampling according to the following table to fulfill the effluent water quality data requirements in "Worksheet 2.0: Pollutant Analysis" of the Technical Report and requests the TCEQ's concurrence to include with Worksheet 2.0.

Sabine Mine also requests concurrence to sample Outfall 201 from the sanitary sewer wastewater treatment plant for *E. coli* according to Table 4.c of the Technical Report. Sabine Mine proposes to collect *E. coli* samples from Outfall 201 once per month for four consecutive months. Outfall 201 does not discharge wastewater from the activities listed in Table 4.a and does not discharge into saltwater, which would then require sampling for *Enterococci*. Outfall 201 discharges from the sanitary wastewater treatment system into the MF-1 pond and then through Outfall 050, which periodically discharges through Hatley Creek.

Tables 3, 5, 12, and 13 and Tables 8, 9, 10, 11 (as indicated in Table 7) are not applicable to the facility or its operations.

### Proposed Sampling

Outfall Number	Impoundment Name	Status	Tables	Frequency
018	N2	Active mining (only currently active outfall)	1, 2, and 6	Once
001	Brandy Branch	Post mining	1, 2, and 6	Once
031	C8	Post mining	1, 2, and 6	Once
053	S1	Post mining	1, 2, and 6	Once
201	Treatment Plant	Not applicable – sanitary sewer	Table 4.c for <i>E. Coli</i>	Once per month for four consecutive months

Due to the large size of the impoundments, the variable flow to the impoundments (seasonal weather and rainfall), and unpredictable nature (timing and duration) of the discharge from the outfalls, samples will be collected as soon as possible after concurrence is received. However, it should be noted that some or all of the impoundments might not be able to be sampled until after the permit application is submitted.

Sabine Mine is requesting the TCEQ's concurrence that the sampling and analysis strategy presented above will be acceptable to the TCEQ and meet the intent and requirements of Worksheet 2.0 of the Technical Report and that no additional sampling or analysis will be required.

Please reach out to Sarah Zagurski at [sarah.zagurski@bsigroup.com](mailto:sarah.zagurski@bsigroup.com)/214.263.4016 or Josh McAfee at [josh.mcafee@nacoal.com](mailto:josh.mcafee@nacoal.com)/903.668.5501.

Regards,

***Sarah Zagurski***

Sarah Zagurski, PG  
Associate Consultant

cc: Josh McAfee, Sabine Mine  
Angela Martin, Sabine Mine

Reviewed by:

***Eric Knight***

Eric Knight, PE  
Senior Consultant

**From:** [Thomas Starr](#)  
**To:** [Sarah Zagurski](#)  
**Cc:** [McAfee, Josh](#); [Martin, Angela](#)  
**Subject:** RE: Sabine Mine TPDES Renewal Sampling Request Letter - S Marshall Area  
**Date:** Monday, November 10, 2025 10:19:16 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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**\* This message originated from outside of BSI. Please treat hyperlinks, attachments and instructions in this email with caution. \***

Sarah,  
I concur with your sampling approach.  
Thomas  
Sincerely,

Thomas E. Starr, P.E.

Permit Writer  
Water Quality Division  
Wastewater Permitting, Industrial Permits  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg F, Room 2101  
Phone: 512-239-4570



[Customer Satisfaction Survey](#)

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**From:** Sarah Zagurski <Sarah.Zagurski@bsigroup.com>  
**Sent:** Wednesday, November 5, 2025 4:09 PM  
**To:** Thomas Starr <Thomas.Starr@Tceq.Texas.Gov>  
**Cc:** McAfee, Josh <josh.mcafee@nacoal.com>; Martin, Angela <angela.martin@nacoal.com>  
**Subject:** Sabine Mine TPDES Renewal Sampling Request Letter - S Marshall Area

Hi Thomas,

Please see the attached letter requesting reduced sampling for the upcoming TPDES application for permit WQ0002538000.

Please let me know if you have any questions.

Thanks!

**Sarah Zagurski, PG**  
Associate Consultant  
Dallas-Fort Worth Metroplex  
C: 214 263 4016  
[Sarah.Zagurski@bsigroup.com](mailto:Sarah.Zagurski@bsigroup.com)



Your partner  
in progress



Legal Requirements. Contractor agrees to comply with all local, state and federal laws, including safety and health standards imposed by the Mine Safety Health Administration, applicable to persons employed by Contractor. Contractor shall provide any necessary safety equipment needed by its employees to perform the work contemplated by this purchase order safely.

Insurance Requirements. Contractor shall obtain and maintain until the work is completed, insurance of the following types and amounts:

(i) Workers' Compensation Insurance – Workers' compensation insurance for all of Contractor's employees performing the work.

(ii) General Liability Insurance – Such insurance shall have minimum limits of \$1,000,000 per occurrence/\$2,000,000 annual aggregate for bodily injury and property damage.

(iii) Automobile Vehicle Liability Insurance – Automobile vehicle insurance shall cover all owned, non-owned, hired and rented automobiles, including any Company vehicles, used in the performance of the work. Such insurance shall have a limit of not less than \$1,000,000 on a combined single limit basis for bodily injury and property damage liability.

Contractor shall not begin performing Work until Contractor has furnished to Company a certificate(s) of insurance evidencing the insurance described above. Such certificate(s) shall name Company as an additional insured or loss payee, as applicable.

Independent Contractor/Taxes. Commencing on the Effective Date, Contractor will at all times be and remain an independent contractor and shall not be deemed an agent or authorized representative of Company. Contractor will be free to exercise its own judgment as to the manner and method of providing the Work to the Company, subject to applicable laws and requirements reasonably imposed by the Company and provided that the Company shall be permitted to oversee and inspect Contractor's work. Contractor acknowledges and agrees that, as an independent contractor, it will be required to pay any applicable taxes on the compensation paid by Company and that Company shall not withhold any taxes on such compensation or be responsible for the payment thereof.

Indemnification; Waiver. Contractor agrees to defend, indemnify and save harmless Company from any and all claims, liability, damage or loss to persons or property arising out of or in any way connected with the performance of the work contemplated by this purchase order. Furthermore, Contractor shall defend, indemnify and save harmless Company against all liability for personal injuries, including death resulting therefrom, and against all liability for property damages sustained by any other person or corporation whatsoever, caused or alleged to have been caused by any act or omission by Contractor or any of its subcontractors, and any of their employees and agents, resulting from or in any way connected with the performance of the work. Contractor hereby



waives all claims now or hereafter arising against Company and its Affiliates and all of their officers, directors, agents and employees in any manner related to the work.

**\*\*Contractor's receipt of these terms and conditions and commencement of the work contemplated by this purchase order shall indicate an unconditional acceptance of these terms and conditions.**



# Purchase Order

Order No: 126721 OP

Date: 6/11/2024

Shipping Instructions:

Freight: F.O.B. Minesite

Delivery:

INVOICE TO: (903) 660-4200  
SMCINVOICE@NACOAL.COM

Ship to: 6501 FARM ROAD 968 WEST  
HALLSVILLE TX 75650

Seller: EDWARDS SEPTIC & GREASE TRAP SERVICE  
2821 STATE HWY 42 N  
KILGORE TX 75662

OUR ORDER NUMBER MUST APPEAR ON ALL YOUR INVOICES AND PACKAGES. EMAILED COPIES OF ALL INVOICES IS PREFERRED.

Email: edwardsseptic@gmail.com

Vendor No: 141670

Line	Quantity	UM	Part Number / Description	Line Type	Work Order	Unit Price	Extended Price	Need By Date
1	1,000.00	\$\$	141670.SEPTIC WASTE WATER SLUDGE REMOVAL	J		\$1.00	\$1,000.00	6/17/2024
<p>****</p> <p>ALL WORK TO BE PERFORMED IN ACCORDANCE WITH TERMS AND CONDITIONS OF IWC 20-04, DATED SEPTEMBER 23, 2020, BY AND BETWEEN EDWARDS SEPTIC AND GREASE TRAP SERVICE AND THE SABINE MINING COMPANY.</p> <p>****</p> <p>The maximum charge for any one project shall not exceed \$25,000.00 unless otherwise mutually agreed in writing by the parties.</p> <p>*****</p> <p>REFERENCE QUOTE # PURCHASE ORDER INSTRUCTIONS: REQUESTOR: FIELD SERVICE LABOR TO WASTE WATER SLUDGE REMOVAL</p> <p>PO PRICES ARE ESTIMATED ONLY AND DO NOT OBLIGATE SABINE MINING FOR FULL PO AMOUNT. NOTIFICATION OF THE ADJUSTMENTS TO THE PURCHASE ORDER ARE REQUIRED.</p> <p>CONTACT: MARY ANN MERTZ, PURCHASING VIA PHONE/E-MAIL PHONE: (903) 668-5556, FAX: (903) 660-4332 EMAIL: MARYANN.MERTZ@NACOAL.COM *****</p>								
							Subtotal	\$1,000.00
							Sales Tax	
							Total	\$1,000.00

Notes

The Sabine Mining Company

(Buyer)  
Mertz, Mary Ann

By 

This order is subject to the terms and conditions stated on the back to which the Seller, by acceptance hereof, agrees.

**Acceptance - Agreement.** This purchase order must be accepted in writing by Seller. If for any reason Seller should fail to accept it in writing, any conduct by Seller that recognizes the evidence of a contract pertaining to the subject matter hereof shall constitute acceptance by Seller of this purchase order and all of its terms and conditions. Any terms proposed in Seller's acceptance of Buyers offer that add to, vary from, or conflict with the terms herein are hereby objected to. Any such proposed terms shall be void, and the terms herein and any documents referred to on the face hereof shall constitute the complete and exclusive statement of the terms and conditions of the contract between the parties and may hereafter be modified only by written instrument executed by the authorized representatives of both parties. If this purchase order has been issued by Buyer in response to an offer from Seller and if any of the terms herein are additional to or different from any terms of such offer, then the issuance of this purchase order by Buyer shall constitute an acceptance of such offer subject to the express condition that the Seller assent to such additional and different terms herein and acknowledge that this purchase order and any documents referred to on the face hereof constitute the entire Agreement between Buyer and Seller with respect to the subject matter hereof and the subject matter of such offer, and Seller shall be deemed to have so asserted and acknowledged unless Seller notifies Buyer to the contrary in writing within ten (10) days of receipt of this purchase order.

**Termination for Convenience.** Buyer may at any time terminate this purchase order, in whole or in part, for its convenience upon written notice to Seller in which event Seller shall be entitled to reasonable termination charges consisting of a percentage of the purchase order price reflecting the percentage of the goods or services furnished by Seller prior to termination plus actual direct costs resulting from termination.

**Termination for Cause.** Buyer may terminate this purchase order at any time, in whole or in part, for cause if Seller is in default under this order or in the event that Seller is adjudged to be bankrupt, is reasonably believed by Buyer to be insolvent in the near future, makes a general assignment for the benefit of creditors, or if a receiver is appointed on account of Seller's insolvency. Late deliveries, goods or services which are defective or which do not conform to this purchase order, and failure to provide Buyer, upon request, of reasonable assurances of future performance shall, among other things, be causes allowing Buyer to terminate this purchase order for cause. In the event of termination for cause, Buyer shall not be liable to Seller for any amount, and Seller shall be liable to Buyer for any and all damages sustained by reason of the default that gave rise to the termination.

**Price.** If no price is specified in this order, the goods or services shall be billed at the price last quoted to Buyer or at the prevailing market price, whichever is lower. In the event Seller reduces its price for such goods or service during the term of this purchase order, Seller agrees to reduce the prices hereof correspondingly. Buyer shall also receive the full benefit of all discounts, allowances, premiums and other favorable terms of payment customarily offered by the Seller to its customers or customary in the trade. Seller warrants that the prices for the articles sold to Buyer hereunder are not less favorable than those currently extended to any other customer for the same or similar articles in similar quantities. Seller warrants that prices shown on this purchase order shall be complete and no additional charges of any type shall be added without Buyer's express written consent. Such additional charges include, but are not limited to, shipping, packaging, labeling, custom duties, taxes, storage, insurance, boxing, and crating.

**Warranty.** Seller expressly warrants that all goods or services furnished under this purchase order shall conform to all specifications and appropriate standards, will be new, and will be free from defects in material or workmanship. Seller warrants that all such goods or services will conform to any statements made on the containers or labels or advertisements for such goods, or services, and that all goods will be adequately contained, packaged, marked, and labeled. Seller warrants that all goods or services furnished hereunder will be merchantable, and will be safe and appropriate for the purpose for which goods or services of that kind are normally used. If Seller knows or has reason to know the particular purpose for which Buyer intends to use the goods or services Seller warrants that such goods or services will be fit for such particular purpose. Seller warrants that all goods or services furnished hereunder will conform in all respects to samples. Inspection, test, acceptance or use of the goods or services furnished hereunder shall not affect the Seller's obligation under this warranty, and such warranties shall survive inspection, test, acceptance, and use. Seller's warranty shall run to Buyer, its successors, assigns and customers, and users of products sold by Buyer. Seller agrees to replace or correct defects in any goods or services not conforming to the foregoing warranty promptly, without expense to buyer, when notified of such nonconformity by Buyer, provided Buyer elects to provide Seller with the opportunity to do so. In the event of failure of Seller to correct defects in or replace nonconforming goods or services promptly, Buyer, after reasonable notice to Seller, may make such corrections or replace such goods and services and charge Seller for the costs incurred by Buyer in doing so.

**Force Majeure.** Buyer may delay delivery or acceptance hereunder for causes beyond its control. Seller shall hold the goods or delay performance hereunder at the direction of the Buyer and shall deliver the goods or resume performance when the cause affecting the delay has been removed. Buyer shall be responsible only for the Seller's direct additional costs in holding the goods or delaying performance of this purchase order at Buyer's direction. Causes beyond Buyer's control shall include, but are not limited to: an act of God, strikes, substantive labor disputes, material shortages, nationwide labor shortages, labor organizing efforts, acts of the public enemy, wars, blockades, insurrections, riots, acts of terrorism, epidemics, pandemics, landslides, rock slides, adverse geological or hydrological conditions, lightning, hurricanes, and their aftermath, tornadoes, earthquakes, fires, thunderstorms, windstorms, floods, washouts, major damages to Buyer, interruptions to or contingencies of transportation, orders or acts or refusals to act by a Governmental Entity, military, or civil authority (including, without limitation, interruptions, whether by action or inaction, by federal, state or local governments or court orders, present and future, or actions or failures to act of any Governmental Entity having proper jurisdiction) and any other causes, whether of the kind herein enumerated or otherwise, beyond the reasonable control of the Buyer.

**Patents.** Seller agrees upon receipt of notification to promptly assume full responsibility for defense of any suit or proceeding which may be brought against Buyer or its agents or customers for alleged patent infringement, as well as for alleged unfair competition resulting from similarity in design, trademark, or appearance of goods by reason of the use or sale of any goods furnished under this contract. Seller further agrees to indemnify and hold harmless Buyer, its agents, and customers against any and all damages, liabilities, claims, losses, and

expenses, including court costs and attorney fees, resulting from any such suit or proceeding, including any settlement or decree of judgment entered therein. Buyer may be represented by and actively participate through its own counsel in any such suit or proceeding if it so desires, and the costs of such representation shall be paid by Seller. The Seller's obligation hereunder shall survive acceptance of the goods and payment by the Buyer.

**Insurance.** In the event that Seller's obligations hereunder require or contemplate performance of services by Seller's employees, or persons under contract to Seller, to be done on Buyer's property of Buyer's customers, the Seller agrees that all such work shall be done as an independent contractor and that the persons doing such work shall not be considered employees of the Buyer. Seller shall maintain all necessary insurance coverage, including public liability and workers' compensation insurance. Seller shall indemnify and save harmless and defend Buyer from any and all claims or liabilities arising out of the work covered by this purchase order.

**Indemnification.** Seller shall defend, hold harmless, and indemnify Buyer against all damages, liability, claims, losses, and expenses (including attorneys' fees), arising out of or resulting in any way from any defect in the goods or services purchased hereunder, or from any act or omission of Seller, its agents, employees, or subcontractors. This indemnification shall be in addition to the warranty obligations of Seller stated herein.

**Changes.** Buyer shall have the right at any time to make changes in drawings, designs, specifications, materials, packaging, time and place of delivery, and method of transportation. If any such changes cause an increase or decrease in the cost, or the time required for the performance, an equitable adjustment shall be made and this purchase order shall be modified in writing accordingly. Seller agrees to accept any such changes made by Buyer pursuant to this paragraph. Unless Seller presents to the Buyer an itemized statement of claim against Buyer within twenty (20) days after the receipt of notice of such change, the Seller shall be conclusively deemed to have waived all claims against the Buyer with respect thereto.

**Inspection/Testing.** Payment for goods delivered hereunder shall not constitute acceptance thereof. Buyer shall have the right to inspect such goods and to reject any or all of said goods that are in Buyer's judgment defective or nonconforming. Goods rejected and goods supplied in excess of or less than quantities called for herein may be returned to seller at its expense and, in addition to Buyer's other rights, Buyer may charge Seller all expenses of unpacking, examining, repacking, and reshipping such goods. In the event Buyer receives goods whose defects or nonconformity is not apparent on examination, Buyer reserves the right to require replacement, as well as payment of damages. Nothing contained in this purchase order shall relieve in any way the Seller from the obligation of testing, inspection, and quality control.

**Assignments and Subcontracting.** No part of this purchase order may be assigned or subcontracted without prior written approval of Buyer.

**Setoff.** All claims for money due or to become due from Buyer shall be subject to deduction or setoff by the Buyer by reason of any counter claim arising out of this or any other transaction with Seller.

**Shipment - Delivery.** Time is of the essence of this purchase order, and if delivery of items or rendering of services is not completed by the time promised, Buyer reserves the right, without liability, in addition to its other rights and remedies, to terminate this purchase order by notice effective when received by Seller as to items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge Seller with all losses incurred. The terms of delivery are as stated on the reverse side hereof. If in order to comply with Buyer's required delivery date it becomes necessary for Seller to ship by a more expensive way than specified in this purchase order, any increased transportation costs resulting therefrom shall be paid for by Seller unless the necessity for such rerouting or expedited handling has been caused by the Buyer. Risk of loss or damage to the goods to be delivered hereunder shall remain with Seller until Buyer's receipt of the goods.

**Terms of Payment.** A separate invoice shall be issued for each shipment. Invoices offering a cash discount will be paid according to discounted terms. Those invoices not offering cash discount (net invoices) will be paid within thirty (30) days of receipt of goods or services or receipt of a correct copy of the invoice, whichever is later.

**Waiver.** Buyer's failure to insist on performance of any of the terms or conditions herein or to exercise any right or privilege or Buyer's waiver of any breach hereunder shall not thereafter waive any other terms, conditions, or privileges, whether of the same or similar type.

**Limitation on Buyer's Liability - Statute of Limitations.** In no event shall Buyer be liable for any anticipated profits or for any special, incidental or consequential damages. Buyer's liability on any claim of any kind for any loss or damage arising out of or in connection with or resulting from this purchase order, or from the performance or breach thereof shall in no case exceed the price allocable to the goods or services or unit thereof which gives rise to the claim. Buyer shall not be liable for penalties of any kind. Any action resulting from any breach on the part of Buyer as to the goods or services furnished hereunder must be commenced within one (1) year after the cause of action has accrued.

**Remedies.** Buyer's remedies shall be cumulative and additional to any other or further remedies provided in law or equity or this order.

**Governing Law.** This order is made under and shall be governed and construed by the laws of the state in which the goods are delivered hereunder and the Uniform Commercial Code without regard to conflict of law considerations.

**Equal Employment Opportunity.** Seller agrees to abide by the requirements of Executive Order 11246, the Vietnam Era Veterans Readjustment Assistance Act (as amended), the Rehabilitation Act of 1973, and their implementing regulations, 41 C.F.R. 60-1.4, 60- 300.5(a) and 60-741.5(d), to the extent applicable. These regulations require affirmative action by covered prime federal contractors and subcontractors to employ and advance in employment minorities, women, qualified protected veterans and qualified individuals with disabilities, and to treat such persons without discrimination on the basis of race or ethnic status, gender, protected veteran status, or any physical or mental disability.



## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

# SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

## Summary of Application (in plain language) 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 of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your 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 you 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. After filling in the information for your facility delete these instructions.

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.*

The Sabine Mining Company (CN\_600835797) operates South Hallsville No. 1 Mine - South Marshall Area (RN102185824), a lignite coal mining facility. The facility is located at 6501 Farm Road 968 West, in Hallsville, Harrison County, Texas 75650. The application is for the renewal to discharge industrial wastewater from active and post mining activities and sanitary wastewater from the onsite treatment facility. The application includes one active mining outfall and 27 post-mining outfalls. These industrial outfalls have varying discharge volumes since they are rain-dependent. Outfall 018 is the only active mining outfall and contains stormwater runoff from the active-mine area. Outfalls 001-007, 011, 013-014, 019, 021-024, 031, 038, 044-045, 048, 052-054, and 058-059 are post mining and only contain stormwater runoff. Outfall 050 is post-mining and contains stormwater runoff, sanitary wastewater from outfall 201 (0.012 MGD), and truck wash water. The status of various ponds/outfalls have been updated from the last renewal from active to post-mining status or

from post-mining to remediated/bond released. The facility has been reporting these updates to TCEQ as they occur per the terms of the current permit. Future outfalls 010, 015, and 017 are no longer planned to be constructed.

Discharges from the facility are expected to contain settleable solids for all the active and post-mining outfalls. Outfalls are treated by sedimentation ponds by gravity and flocculation of clay particles to meet effluent discharge limits. The on-site sanitary wastewater treatment plant consists of flow control baffles, a clarifier, aeration tank, and digester. Effluent is discharged from the plant through a 6" pipe to Sediment Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River. Truck wash water is drained to a sloped collection sump, and sediment is allowed to settle to the bottom. Truck wash water is then pumped through a pipe to Sedimentation Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River.

## 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.*

La Compañía Sabine Mining (CN600835797) opera el área de Mina South Hallsville n.º 1 – South Marshall (RN102185824), una planta minera de carbón lignito. La instalación está ubicada en 6501 Farm Road 968 West, en Hallsville, Condado de Harrison, Texas 75650. La solicitud es para la renovación del permiso para descargar aguas residuales industriales procedentes de actividades mineras activas y posteriores, así como aguas residuales sanitarias de la planta de tratamiento en la instalación. La solicitud incluye un emisario minero activo y 27 emisarios posteriores a la actividad minera. Estos emisarios industriales varían en el volumen de descarga, ya que dependen de las precipitaciones. El emisario 018 es el único emisario minero activo y contiene escorrentía de aguas lluvias de la zona minera en funcionamiento. Los emisarios 001-007, 011, 013-014, 019, 021-024, 031, 038, 044-045, 048, 052-054 y 058-059 son posteriores a la actividad minera y solo contienen escorrentía de aguas lluvias. El emisario 050 es posterior a la actividad minera y contiene escorrentía de aguas lluvias, aguas residuales sanitarias del emisario 201 (0.012 MGD) y agua de lavado de camiones. El estado de varios estanques/desagües se ha actualizado desde la última renovación, pasando de actividad minera activa a descarga posterior a la actividad minera o de post-minería a remediado/con fianza liberada. La instalación ha estado informando de estas actualizaciones a la TCEQ conforme se producen, según los términos del permiso vigente. Ya no está prevista la construcción de los futuros emisarios 010, 015 y 017.

Se espera que las descargas de la instalación contengan sólidos sedimentables de las actividades activas y posteriores a la minería. Los emisarios . están tratado por estanques de sedimentación mediante gravedad y floculación de partículas de arcilla para cumplir con los límites de descarga de efluentes necesarios. La planta de tratamiento de aguas residuales sanitarias de la instalación consta de deflectores de control de flujo, un clarificador, un tanque de aireación y un digestor. El efluente se descarga desde la planta a través de una tubería de 6” al estanque de sedimentación MF-1, que descarga a través de una tubería de 8” al arroyo Hatley y, desde allí, al río Sabine. El agua de lavado de camiones se drena a un sumidero de recogida inclinado, donde se deja que los sedimentos se depositen hasta el fondo. Posteriormente, el agua de lavado de camiones se bombea a través de una tubería a la balsa de sedimentación MF-1, que descarga a través de una tubería de 8” al arroyo Hatley y, desde allí, al río Sabine.

## 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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

### **Example 1: Industrial Wastewater TPDES Application (ENGLISH)**

*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.



## **Example 2: Domestic Wastewater TPDES Renewal 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 Texas Administrative Code 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.*

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

## **Example 3: Domestic Wastewater TPDES New 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 Texas Administrative Code 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.*

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>), total suspended solids (TSS), ammonia nitrogen (NH<sub>3</sub>-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

## **Example 4: Domestic Wastewater TLAP Renewal 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 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations*

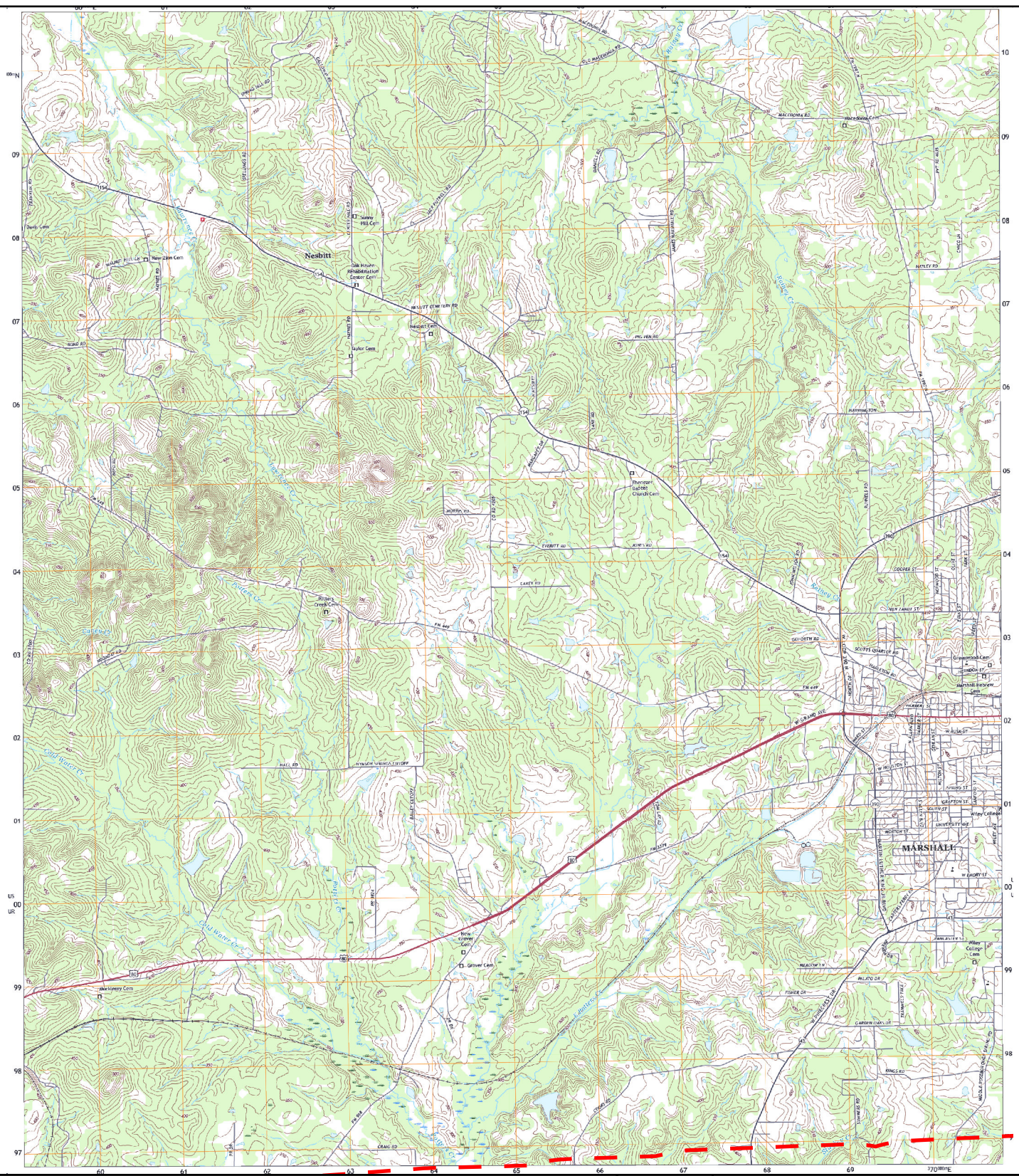
*of the permit application.*

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.


This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD<sub>5</sub>), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.





## Legend


 1 Mile From Permit Boundary



Marshall West Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

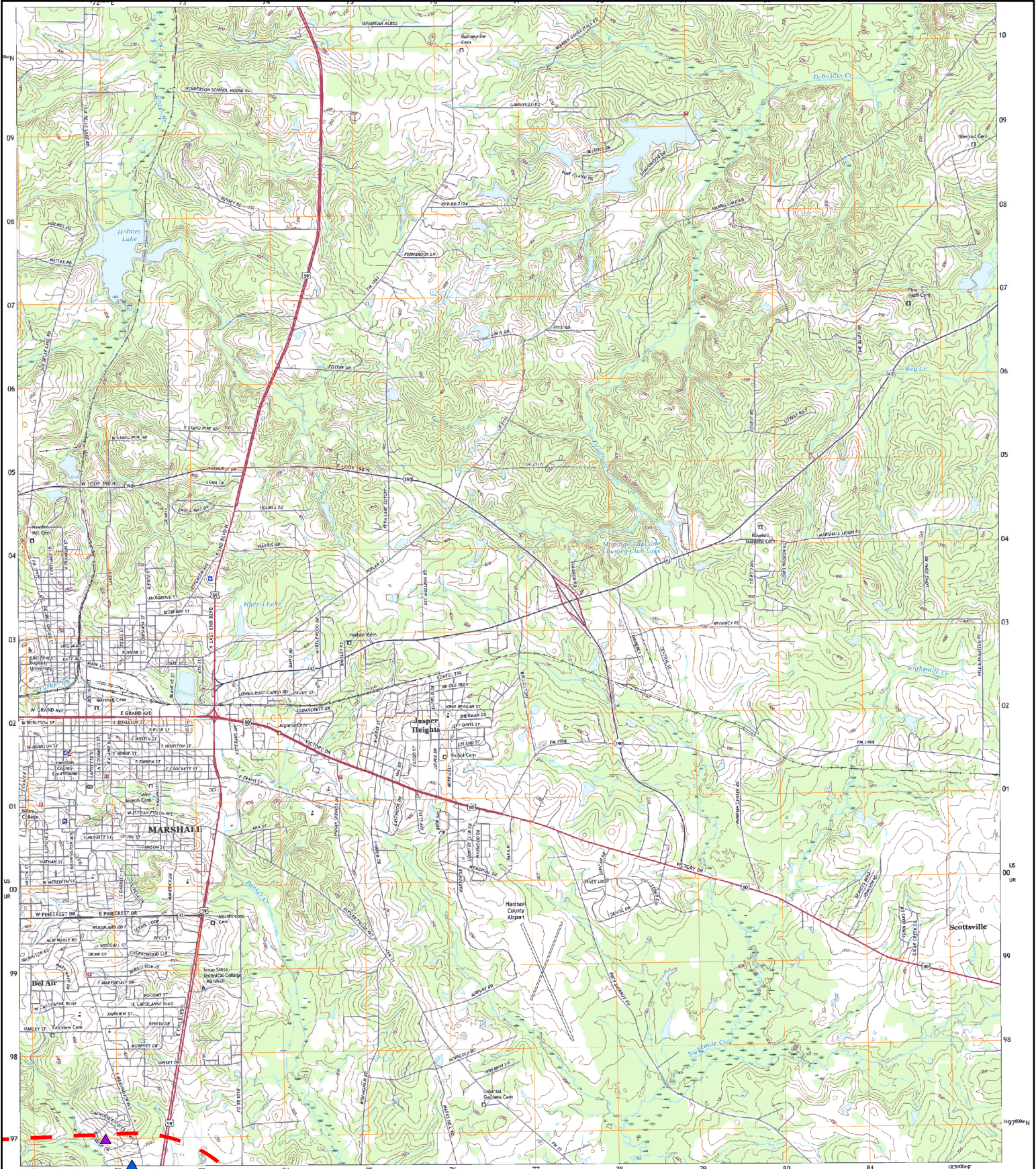


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759




0 0.25 0.5 1 Miles  


November 2025





## Legend


-  1 Mile From Permit Boundary
-  Domestic Well
-  Irrigation Well



10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

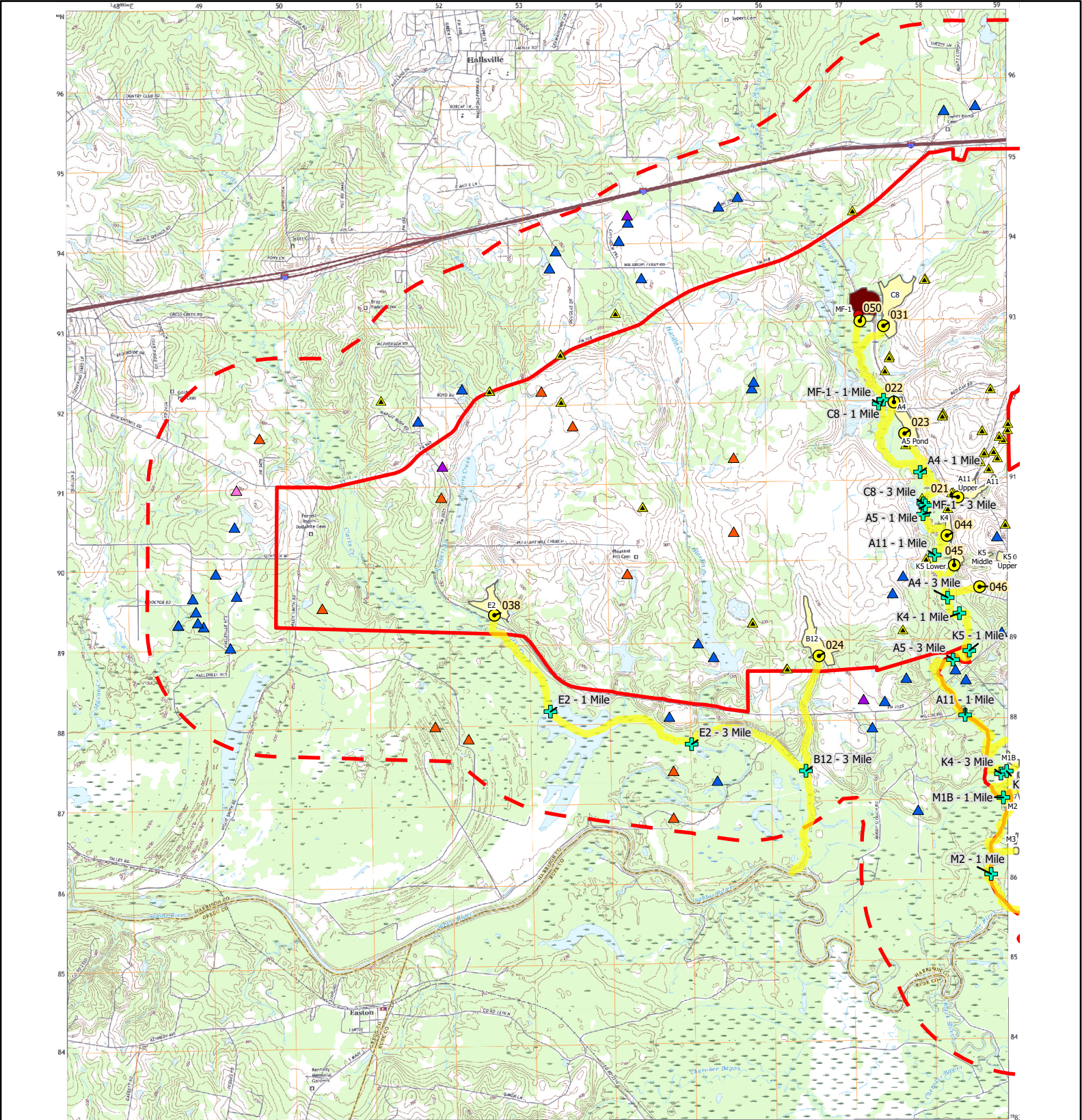
Marshall East Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine -  
South Marshall Area

0 0.25 0.5 1 Miles



November 2025





## Legend

- Permit Boundary
- 1 Mile From Permit Boundary
- Discharge Routes
- Outfalls Easton
- Downstream Marker

- Domestic Wastewater
- Domestic Well
- Industrial Well
- Irrigation Well
- Monitor Well
- Public Supply Well

### Ponds

- Active
- Postmining
- Facilities

- Stock Well



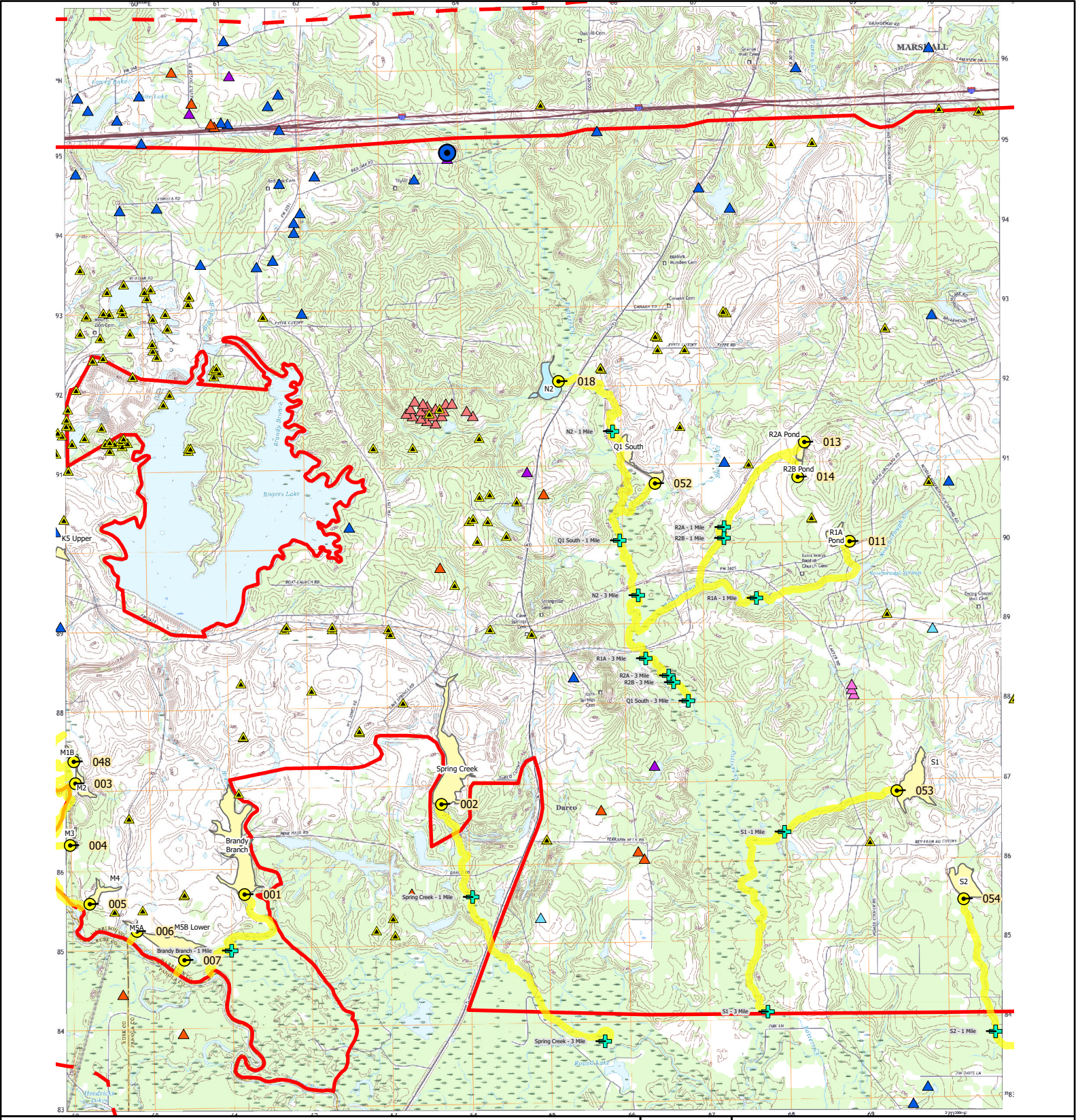
10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

Easton Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

0 0.25 0.5 1 Miles

November 2025





### Legend

- |                             |                  |                    |
|-----------------------------|------------------|--------------------|
| Permit Boundary             | Spring           | Public Supply Well |
| 1 Mile From Permit Boundary | De-watering Well | Stock Well         |
| Discharge Routes            | Domestic Well    |                    |
| Outfalls                    | Industrial Well  | <b>Ponds</b>       |
| Downstream Marker           | Irrigation Well  | Active             |
|                             | Monitor Well     | Postmining         |



Darco Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

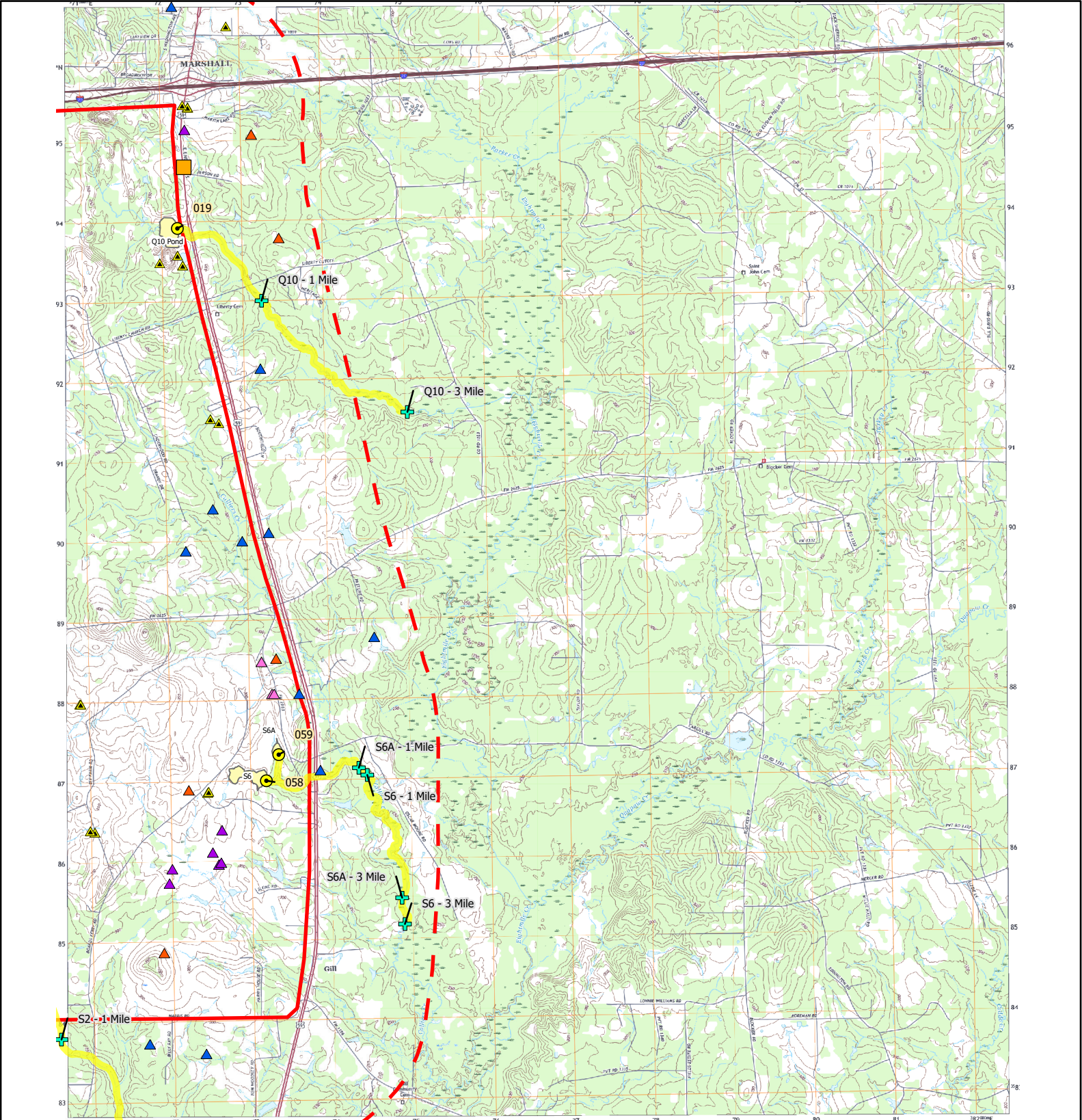


0 0.25 0.5 1 Miles

10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

November 2025





## Legend

- |                             |                 |              |
|-----------------------------|-----------------|--------------|
| Permit Boundary             | Industail Site  | Stock Well   |
| 1 Mile From Permit Boundary | Domestic Well   | <b>Ponds</b> |
| Discharge Routes            | Industrial Well | Active       |
| Outfalls                    | Irrigation Well | Postmining   |
| Downstream Marker           | Monitor Well    |              |



Colliers Creek Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

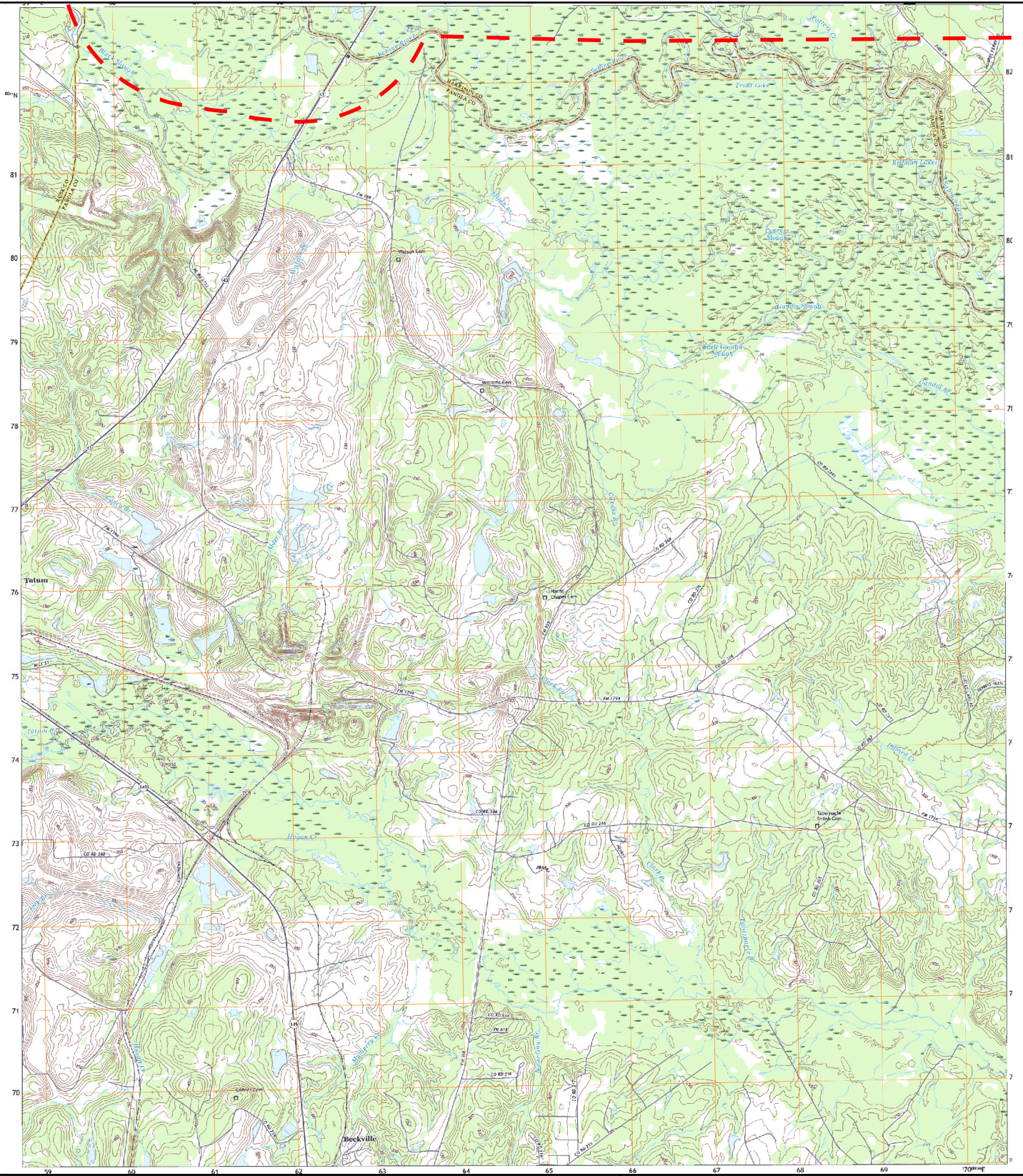


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759


0 0.25 0.5 1 Miles

November 2025





## Legend

 1 Mile From Permit Boundary


N



Harris Chapel Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

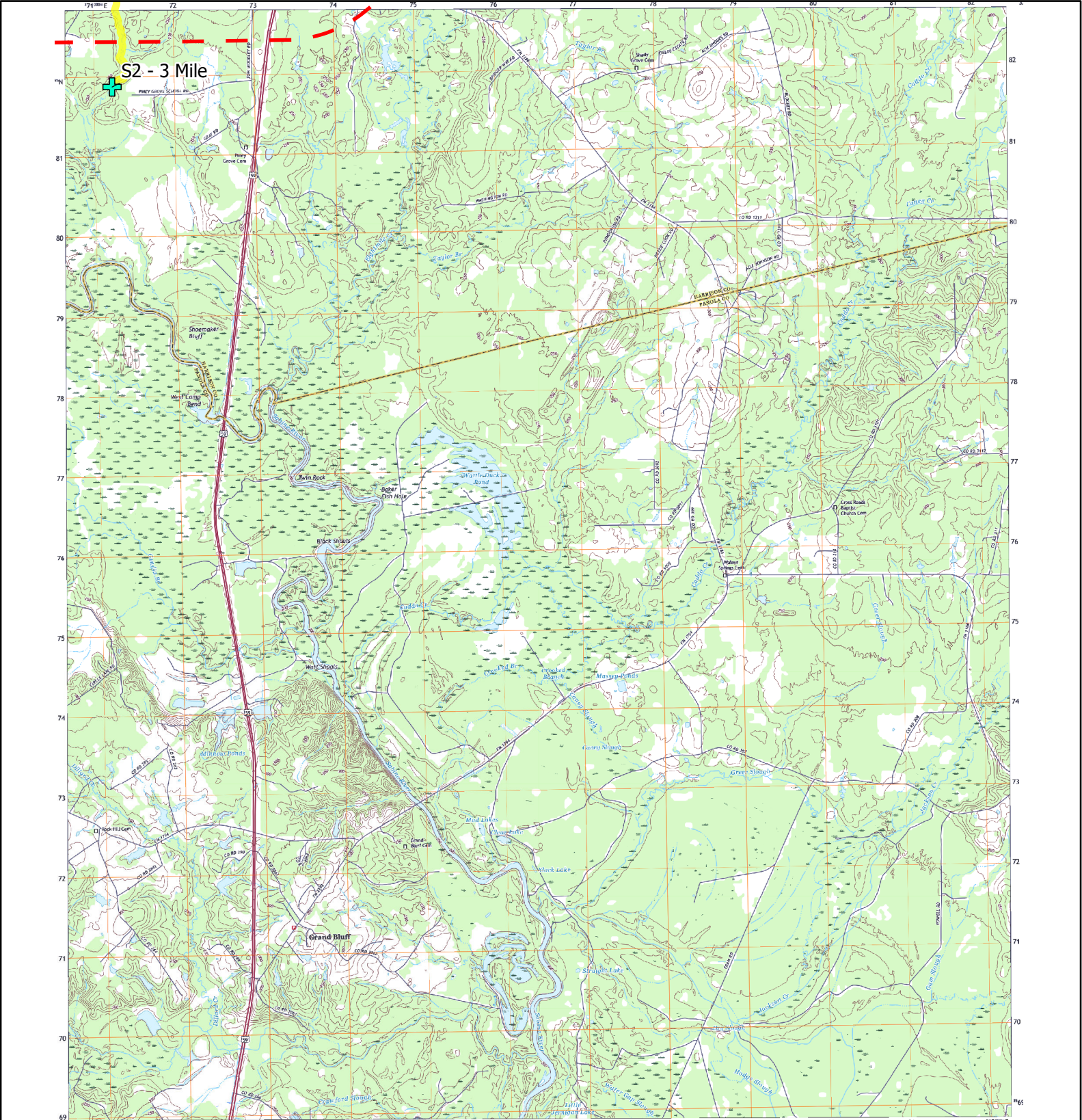


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Austin, TX 78759




0 0.25 0.5 1 Miles  


November 2025





## Legend


-  1 Mile From Permit Boundary
-  Discharge Routes
-  Downstream Marker



Grand Bluff Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area



10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

0 0.25 0.5 1 Miles  


November 2025

# 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](mailto:WQ-ARPTeam@tceq.texas.gov) or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: The Sabine Mining Company

Permit No. WQ00\_02538000EPA ID No. TX 00088935

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

6501 Farm Road 968 West, Hallsville, TX 75650

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: Josh McAfee

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

Title: Environmental Manager

Mailing Address: 6501 Farm Road 968 West

City, State, Zip Code: Hallsville, TX 75650

Phone No.: 903-668-5501 Ext.:

Fax No.:

E-mail Address: josh.mcafee@nacoal.com

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

Hatley Creek, Potters Creek, Colliers Creek, Brandy Branch, Roseborough Creek, Eightmile Creek, Starkey Creek, Clarks Creek, and/or their tributaries, thence to the Sabine River above Toledo Bend Reservoir (Segment 0505).

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):

N/A

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

The existing site consists of haul roads, access roads, office and maintenance area, and retention ponds.

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

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

N/A

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

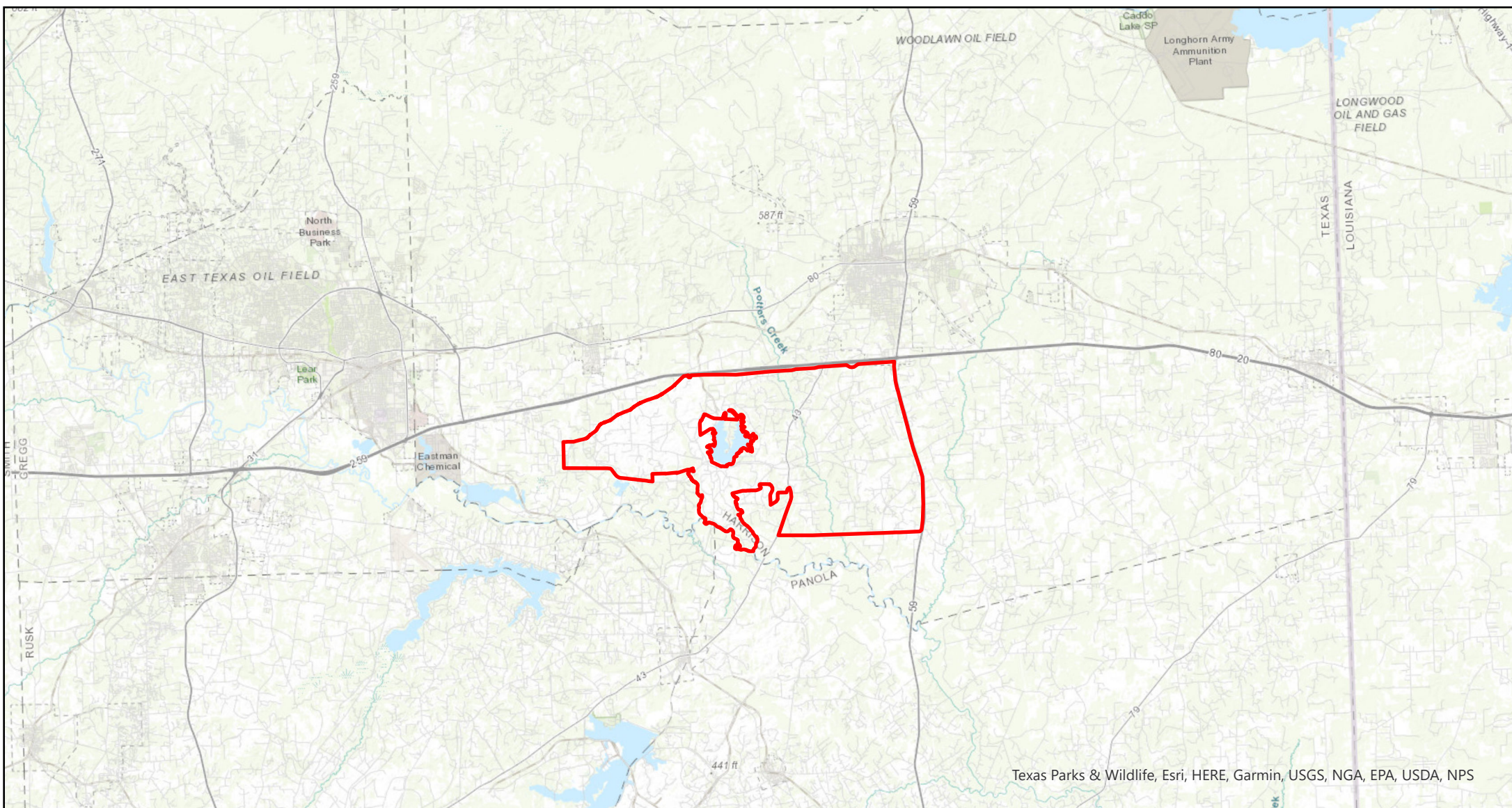
N/A

# Attachment 1

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## General Location Map





Texas Parks & Wildlife, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

**Legend**

 Permit Boundary

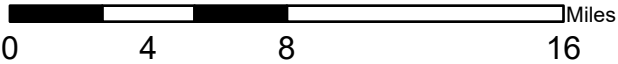
Spatial Reference  
Name: NAD 1927 StatePlane  
Texas North Central FIPS 4202  
PCS: NAD 1927 StatePlane Texas  
North Central FIPS 4202



General Location Map  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South Marshall Area



Location:  
Center: 94°27'22"W 32°27'46"N



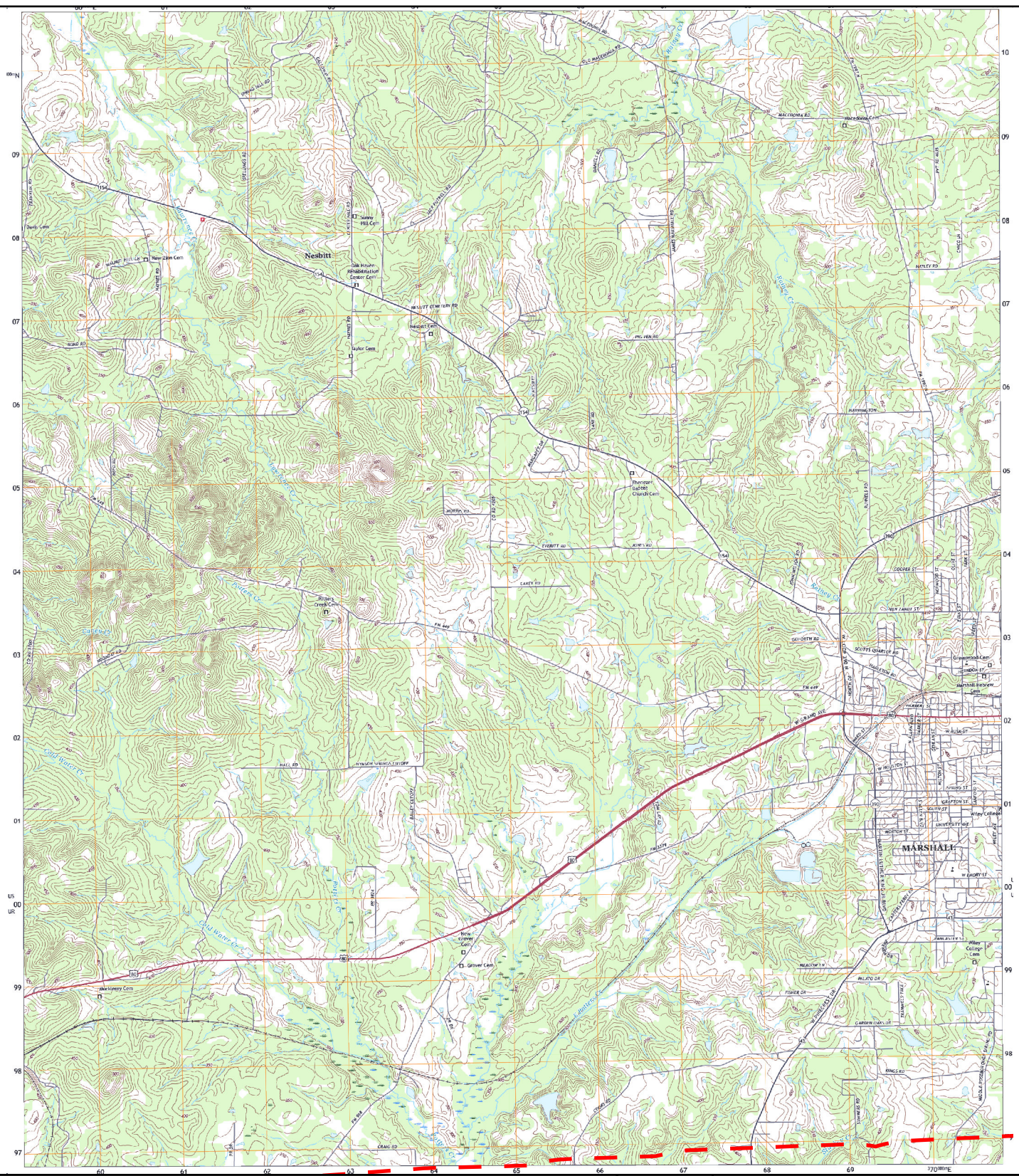
November 2025

## Attachment 2


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### USGS Topo Maps





## Legend


 1 Mile From Permit Boundary



Marshall West Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

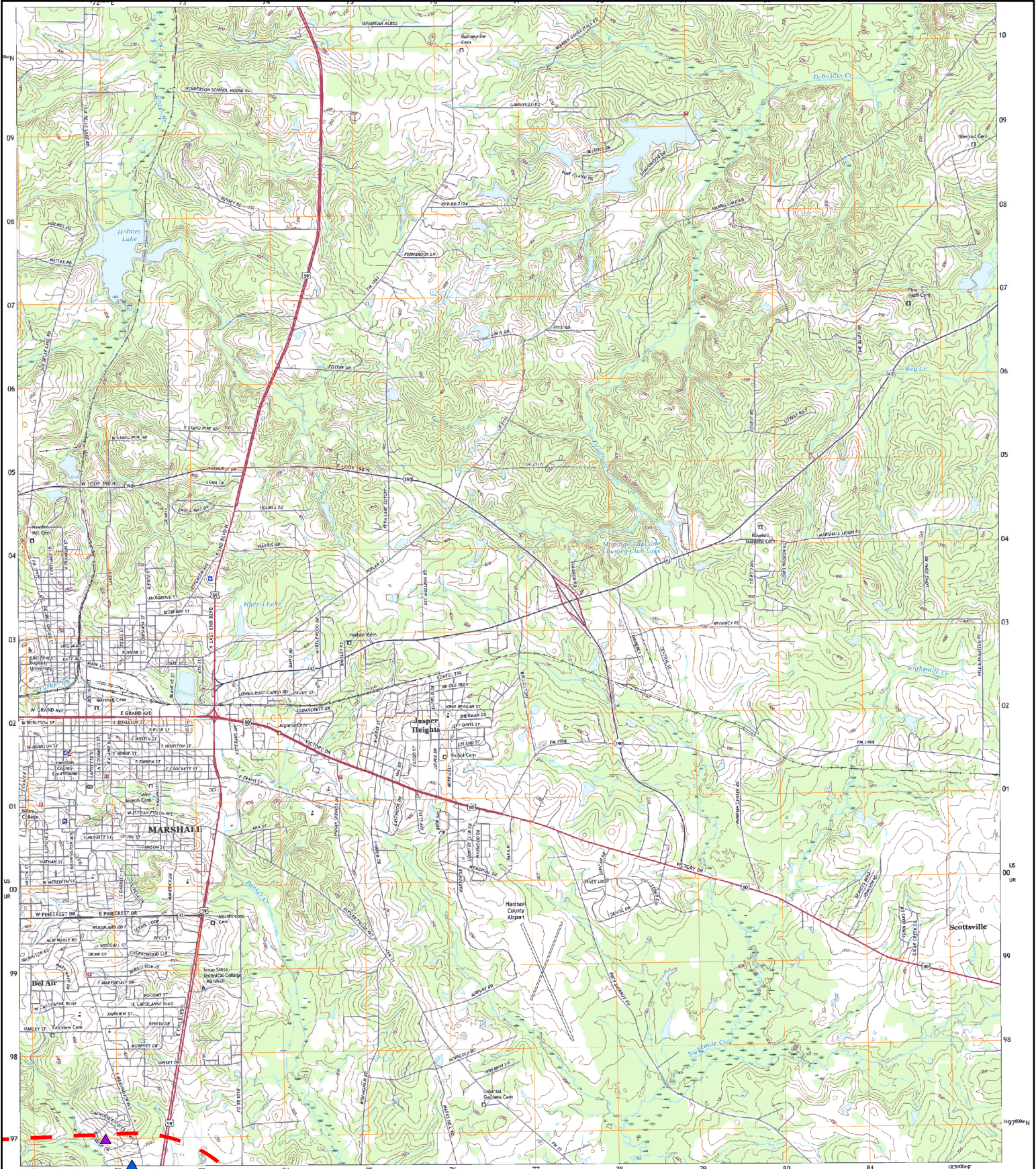


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759




0 0.25 0.5 1 Miles  


November 2025





## Legend


-  1 Mile From Permit Boundary
-  Domestic Well
-  Irrigation Well



10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

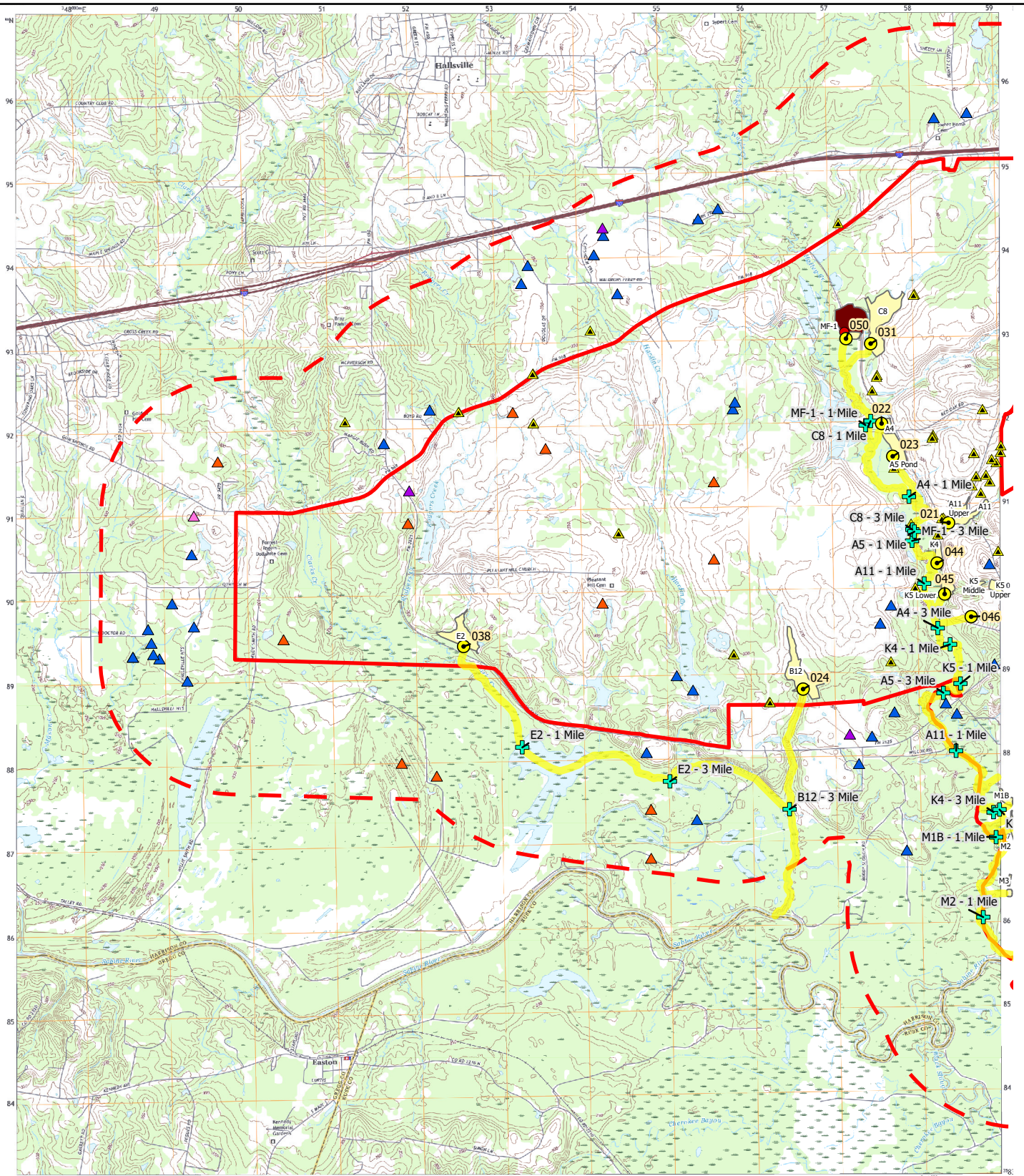
Marshall East Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine -  
South Marshall Area

0 0.25 0.5 1 Miles



November 2025





## Legend

- Permit Boundary
- 1 Mile From Permit Boundary
- Discharge Routes
- Outfalls Easton
- + Downstream Marker

- Domestic Wastewater
- ▲ Domestic Well
- ▲ Industrial Well
- ▲ Irrigation Well
- ▲ Monitor Well
- ▲ Public Supply Well

### Ponds

- Active
- Postmining
- Facilities

Stock Well



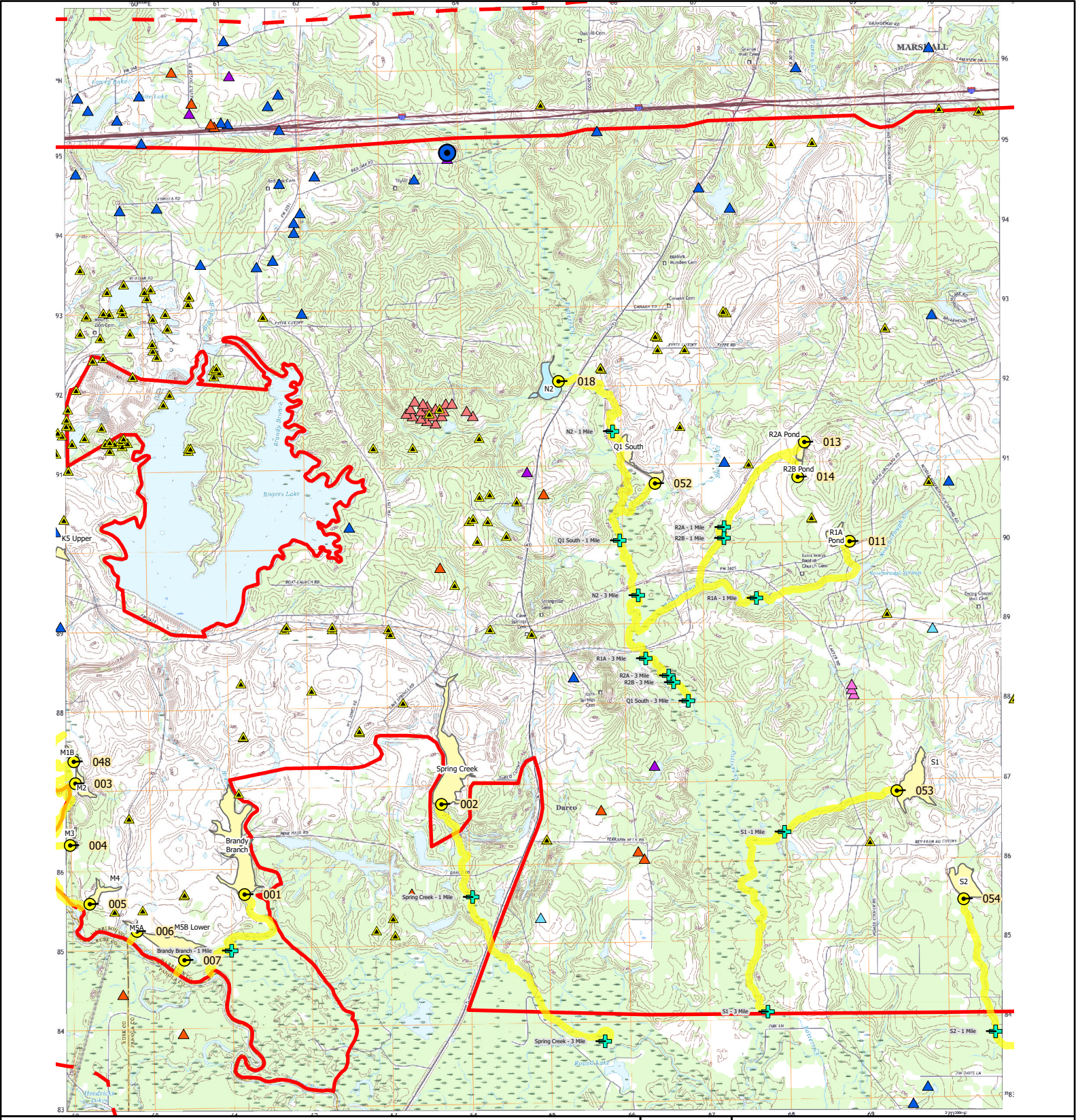
10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

Easton Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

0 0.25 0.5 1 Miles

November 2025





## Legend

- Permit Boundary
- 1 Mile From Permit Boundary
- Discharge Routes
- Outfalls
- Downstream Marker

- Spring
- De-watering Well
- Domestic Well
- Industrial Well
- Irrigation Well
- Monitor Well

- Public Supply Well
- Stock Well

### Ponds

- Active
- Postmining



Darco Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

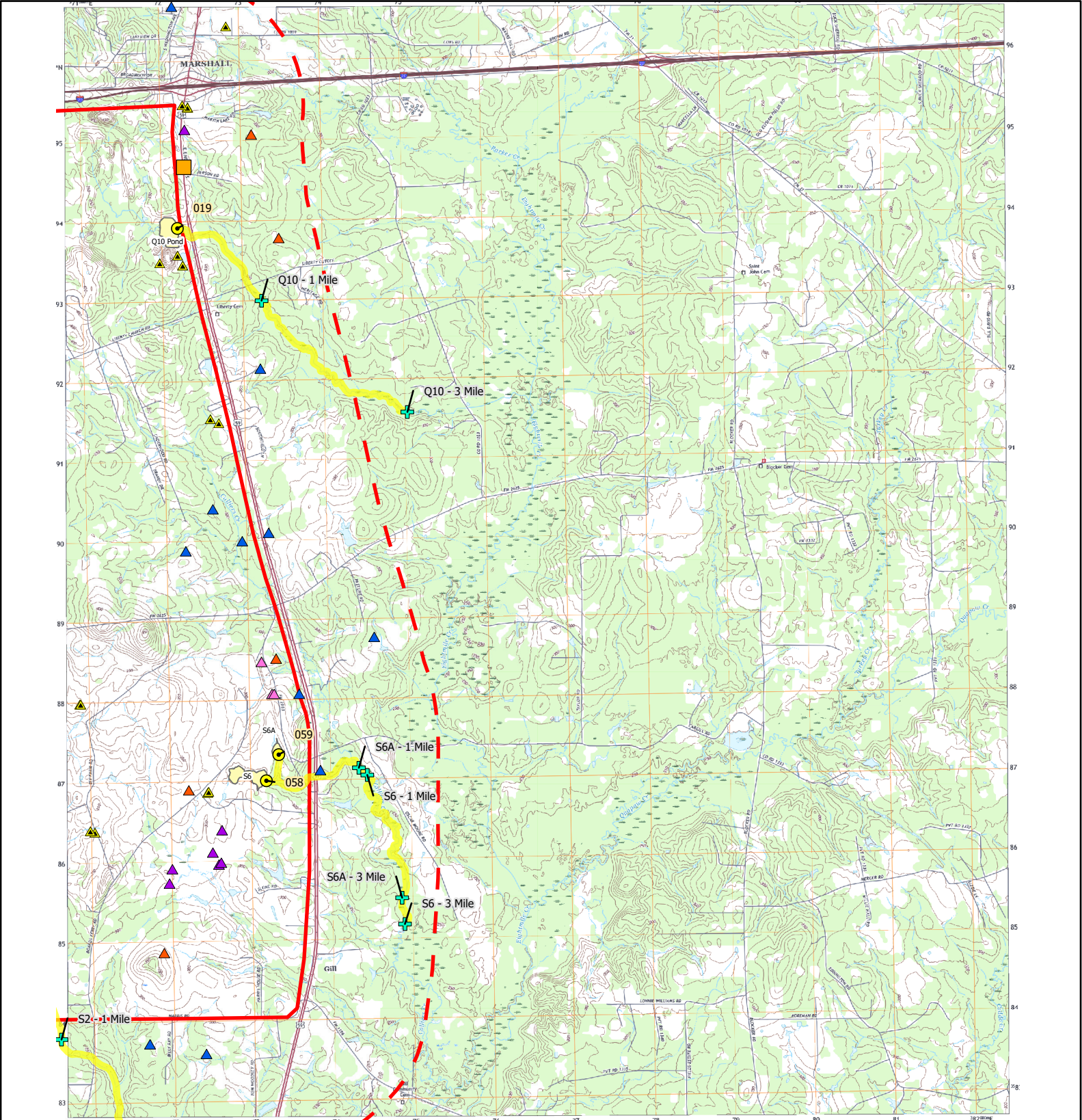


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

0 0.25 0.5 1 Miles

November 2025





## Legend

- |                             |                 |              |
|-----------------------------|-----------------|--------------|
| Permit Boundary             | Indsutrail Site | Stock Well   |
| 1 Mile From Permit Boundary | Domestic Well   | <b>Ponds</b> |
| Discharge Routes            | Industrial Well | Active       |
| Outfalls                    | Irrigation Well | Postmining   |
| Downstream Marker           | Monitor Well    |              |



Colliers Creek Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

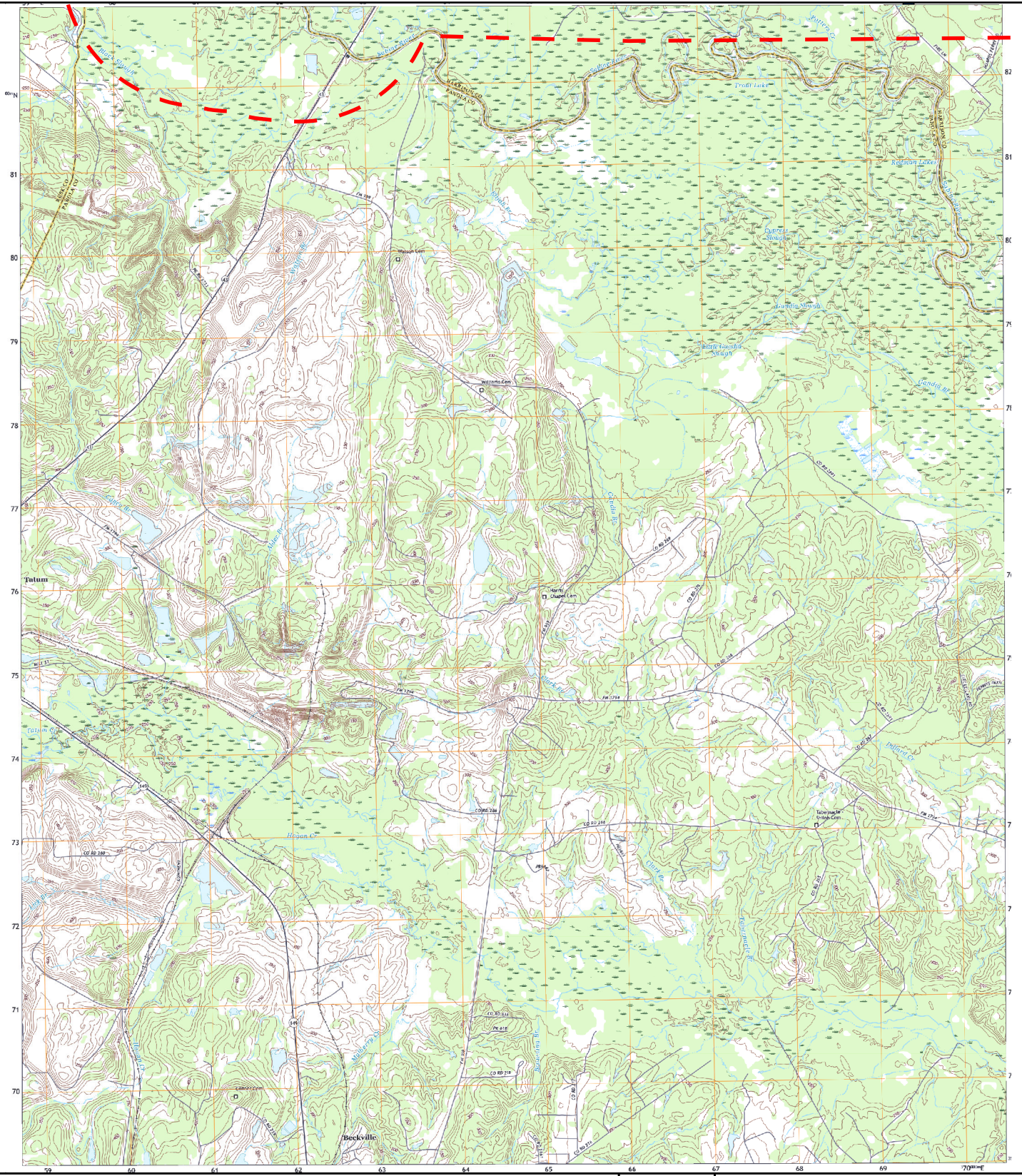


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759


0 0.25 0.5 1 Miles

November 2025





## Legend


 1 Mile From Permit Boundary



Harris Chapel Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area

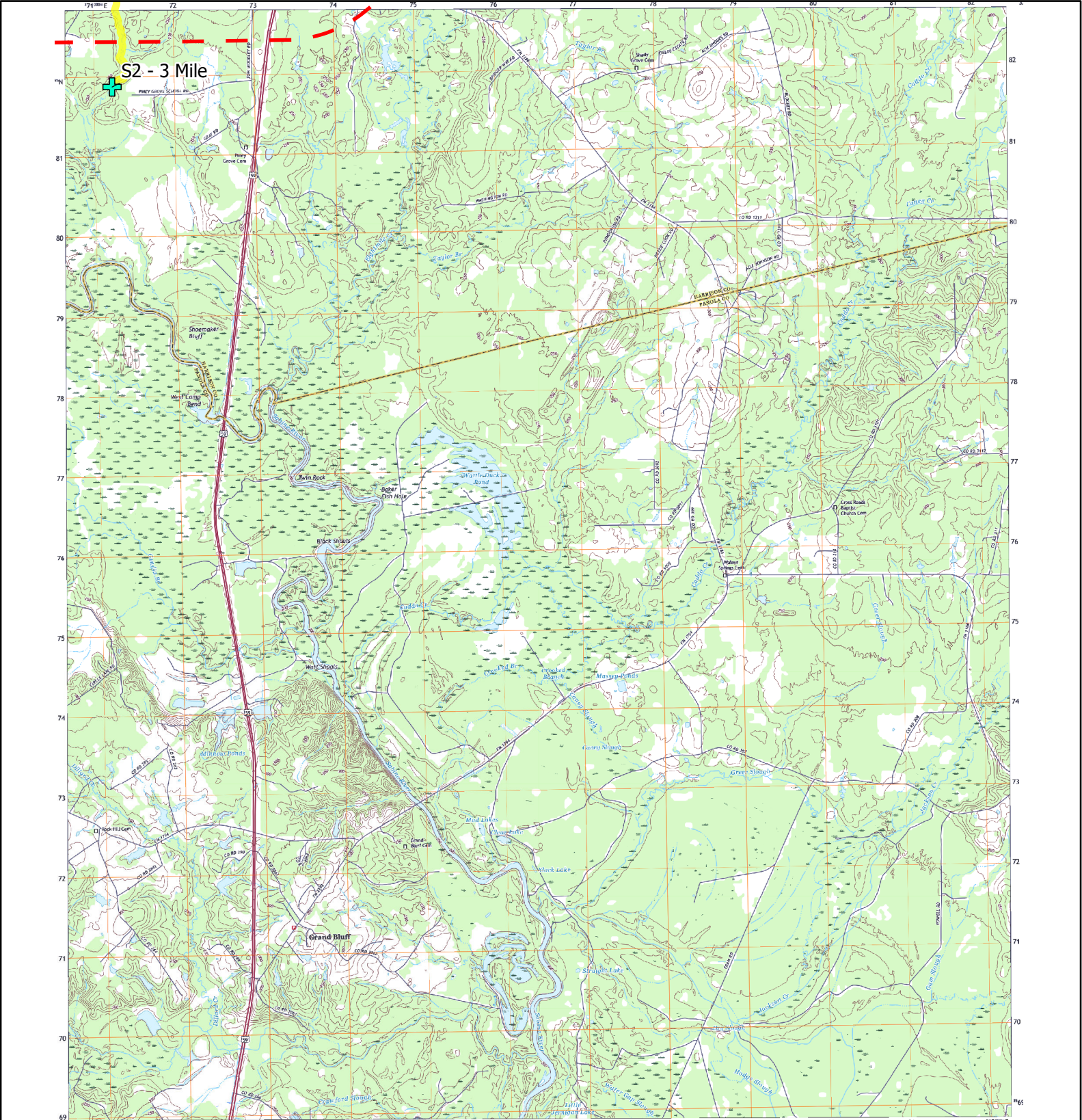


10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759




0 0.25 0.5 1 Miles  


November 2025





## Legend


-  1 Mile From Permit Boundary
-  Discharge Routes
-  Downstream Marker



Grand Bluff Quadrangle  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South  
Marshall Area



10900 Stonelake Blvd,  
Building 2, Suite 100,  
Austin, TX 78759

0 0.25 0.5 1 Miles  


November 2025



# 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](https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES_industrial_wastewater_steps.html)<sup>1</sup> 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).

The Sabine Mining Company is a surface lignite coal mining operation. SIC Code – 1221. NAICS Code - 212111

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

Wastewater is generated from stormwater runoff from active and post mining areas. Truck wash water from on-Site truck washing activities flows to the MF-1 Pond and discharges through the associated Outfall 050.

<sup>1</sup>

[https://www.tceq.texas.gov/permitting/wastewater/industrial/TPDES\\_industrial\\_wastewater\\_steps.html](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 Coal	Lignite Coal	Lignite Coal

**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:** 2

- 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 48203C0475F](#), [48203C0500F](#), [48203C0450F](#)

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: Portions of the facility (ponds) may be located within the 100-year flood plain. The domestic wastewater treatment plant (Outfall 201) is located above the 100-year flood plain. Ponds are designed so that they do not become inundated by a 100-year flood event.

**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: N/A

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.

For stormwater runoff impoundments, the normal treatment process is settling of sediments by gravity and, when necessary, flocculation of clay particles to meet effluent discharge limits. The on-Site sanitary wastewater treatment plant consists of flow control baffles, a clarifier, aeration tank, and digester. Effluent is discharged from the plant through a 6" pipe to Sediment Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River. Truck wash water is drained to a sloped collection sump, and sediment is allowed to settle to the bottom. Truck wash water is then pumped through a pipe to Sedimentation Pond MF-1, which discharges through an 8" pipe to Hatley Creek, thence to the Sabine River.

- 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: 3**

## 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)	Refer to Attachment 4			
Associated Outfall Number				
Liner Type (C) (I) (S) or (A)				
Alt. Liner Attachment Reference				
Leak Detection System, Y/N				
Groundwater Monitoring Wells, Y/N				
Groundwater Monitoring Data Attachment				
Pond Bottom Located Above The Seasonal High-Water Table, Y/N				
Length (ft)				
Width (ft)				
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)				
Storage Capacity (gallons)				
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

**Attachment:** Attachment 10

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 – No new or proposed impoundments.

**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 – No new or proposed impoundments.

- 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 – No new or proposed impoundments.

- 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 – No new or proposed impoundments.

## **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/or 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 5	

**Outfall Location Description**

Outfall No.	Location Description
	See Attachment 5

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

Outfall No.	Description of sampling point
	See Attachment 5

**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)
	See Attachment 5				

**Outfall Discharge – Method and Measurement**

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
	See Attachment 5		

**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)

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)
	See Attachment 5					

#### Outfall Wastestream Contributions

##### Outfall No. **018 (Active)**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Stormwater Runoff	Variable	100

##### Outfall No. **Post Mining**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
<i>All Post Mining Outfalls Except Outfall 050</i>		
Stormwater Runoff	Variable	Variable
<i>Outfall 050</i>		
Stormwater Runoff	Variable	Variable
Sanitary Wastewater from Outfall 201	~0.012 MGD	Variable
Truck Wash Water	~0.02	Variable

##### Outfall No. **201**

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Sanitary Wastewater	0.012	100

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

Attachment: N/A

## 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 - No cooling towers located at the facility.

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	N/A	N/A	N/A

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Boilers	N/A	N/A	N/A

## 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: Active mining areas - stormwater that may come into contact with mining activities will be controlled by retention ponds prior to discharge. In Post-mining areas - after mining activities cease, only stormwater runoff will be generated, except Outfall 050. Refer to Attachments 4-5.

## 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: Portable toilets are located in the active mining areas and in some of the remote storage areas. Sanitary sewage is collected by Edwards's Septic and Grease Trap Services, Inc. and transported to the City of Longview POTWs.
- 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.
Plant - City of Longview Main WWTP	WQ0010589002
Hauler - Edward's Septic and Grease Trap Services, Inc.	22624

## 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: N/A

## 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: N/A

Additionally, attach a copy of all tests performed which **have not** been submitted to the TCEQ or EPA. **Attachment:** N/A

## 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)
N/A	

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)
N/A	

## Item 12. Cooling Water (Instructions, Page 46)

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

☐ Yes

☒ No

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

☐ To Be Decommissioned: [Click to enter text.](#)

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

If **decommissioned**, provide the date operation ceased and stop here.

If to **be decommissioned**, provide the date operation is anticipated to cease and stop here.

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)**

<b>CWIS ID</b>				
<b>Owner</b>				
<b>Operator</b>				

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

☐ No ☐ Yes; PWS No.: [Click to enter text.](#)

If **no**, continue. If **yes**, provide the PWS Registration No. and stop here.

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

☐ No ☐ Yes; Auth No.: [Click to enter text.](#)

If **no**, continue. If **yes**, provide the Reuse Authorization No. and stop here.

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

☐ No ☐ Yes; AIF:

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.

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

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*.

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 full 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:**

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.

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

☒ Yes ☐ No

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

The status of various ponds/outfalls have been updated from active to post-mining status or from post-mining to remediated/bond released. The facility has been reporting these updates to TCEQ as they occur per the terms of the current permit. Future outfalls 010, 015, and 017 are no longer planned to be constructed.

## 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: Josh McAfee

Title: Environmental Manager

Signature: 

Date: \_\_\_\_\_

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 1.0: EPA CATEGORICAL EFFLUENT GUIDELINES

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

### Item 1. Categorical Industries (Instructions, Page 53)

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

☒ Yes ☐ No

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

#### 40 CFR Effluent Guideline

Industry	40 CFR Part
Coal Mining	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
N/A			

**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
N/A			

**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.

Active Mining Areas: Stormwater runoff flows to Active Mining Area sedimentation ponds. Water collects in the sedimentation ponds until discharge is necessary. Some of the collected water is used on haul roads as dust suppression. Post Mining Areas: Stormwater runoff from post mining areas (no active mining processes) flows to the Post Mining sedimentation ponds and is discharged, as necessary. Some collected water is also used for dust suppression
--



**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
Active Mining Areas	434	C	1983
Post Mining Areas	434	E	1986

# 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)

- 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): 6/3/25-9/9/25: Note: Remaining sample results will be submitted as soon as possible after the next discharge event occurs.
- ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- 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:** 6

### 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:** 7

#### 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.: See Attachment 6 Samples are (check one): ☐ Composite ☐ Grab

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

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

Table 2 for Outfall No.: **See Attachment 6** Samples are (check one): ☐ Composite ☐ Grab

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

**TABLE 3 (Instructions, Page 58)**

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

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

Table 3 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Epichlorohydrin (1-Chloro-2,3-epoxypropane)					---
Ethylbenzene					10
Ethylene Glycol					---
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
4,4'-Isopropylidenediphenol (bisphenol A)					1
Methyl ethyl ketone					50
Methyl tert-butyl ether (MTBE)					---
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10
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.: 201**

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1	Sample 2	Sample 3	Sample 4	MAL
Tributyltin (µg/L)	N/A				0.010
Enterococci (cfu or MPN/100 mL)	N/A				N/A
<i>E. coli</i> (cfu or MPN/100 mL)	Non-detect	2.00	Non-detect	Non-detect	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.: N/A**

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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090
Endosulfan I ( <i>alpha</i> )					0.01
Endosulfan II ( <i>beta</i> )					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Guthion [Azinphos methyl]					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
Hexachlorocyclohexane ( <i>alpha</i> )					0.05
Hexachlorocyclohexane ( <i>beta</i> )					0.05
Hexachlorocyclohexane ( <i>gamma</i> ) [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.: See Attachment 6      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	<input type="checkbox"/>	<input checked="" type="checkbox"/>					400
Color (PCU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>					—
Nitrate-Nitrite (as N)	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Sulfite (as SO <sub>3</sub> )	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Surfactants	<input type="checkbox"/>	<input checked="" type="checkbox"/>					—
Boron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>					20
Cobalt, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>					0.3
Iron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>					7
Magnesium, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>					20
Manganese, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>					0.5
Molybdenum, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					1
Tin, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					5
Titanium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>					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
<input type="checkbox"/> Adhesives and Sealants		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Aluminum Forming	467	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Auto and Other Laundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Battery Manufacturing	461	<input type="checkbox"/> Yes	No	<input type="checkbox"/> Yes	No
<input checked="" type="checkbox"/> Coal Mining	434	No	No	No	No
<input type="checkbox"/> Coil Coating	465	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Copper Forming	468	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Electric and Electronic Components	469	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Electroplating	413	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Explosives Manufacturing	457	No	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Foundries		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Gum and Wood Chemicals - Subparts A,B,C,E	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Gum and Wood Chemicals - Subparts D,F	454	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Inorganic Chemicals Manufacturing	415	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Iron and Steel Manufacturing	420	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Leather Tanning and Finishing	425	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Mechanical Products Manufacturing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Nonferrous Metals Manufacturing	421,471	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Oil and Gas Extraction - Subparts A, D, E, F, G, H	435	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Ore Mining - Subpart B	440	No	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Organic Chemicals Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Paint and Ink Formulation	446,447	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Pesticides	455	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Petroleum Refining	419	<input type="checkbox"/> Yes	No	No	No
<input type="checkbox"/> Pharmaceutical Preparations	439	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Photographic Equipment and Supplies	459	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Plastic and Synthetic Materials Manufacturing	414	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Plastic Processing	463	<input type="checkbox"/> Yes	No	No	No
<input type="checkbox"/> Porcelain Enameling	466	No	No	No	No
<input type="checkbox"/> Printing and Publishing		<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart C	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts F, K	430	<input type="checkbox"/> *	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts A, B, D, G, H	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> *
<input type="checkbox"/> Pulp and Paperboard Mills - Subparts I, J, L	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *	<input type="checkbox"/> Yes
<input type="checkbox"/> Pulp and Paperboard Mills - Subpart E	430	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> *
<input type="checkbox"/> Rubber Processing	428	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Soap and Detergent Manufacturing	417	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Steam Electric Power Plants	423	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No	No
<input type="checkbox"/> Textile Mills (Not Subpart C)	410	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	No
<input type="checkbox"/> Timber Products Processing	429	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes	<input type="checkbox"/> 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.: N/A**

Samples are (check one): ☐ Composite ☐ Grab

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

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

\* Indicate units if different from µg/L.

Table 9 for Outfall No.: N/A

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.: N/A

Samples are (check one): ☐ Composite ☐ Grab

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



Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
Bis(2-ethylhexyl)phthalate					10
4-Bromophenyl phenyl ether					10
Butylbenzyl phthalate					10
2-Chloronaphthalene					10
4-Chlorophenyl phenyl ether					10
Chrysene					5
Dibenzo(a,h)anthracene					5
1,2-Dichlorobenzene [o-Dichlorobenzene]					10
1,3-Dichlorobenzene [m-Dichlorobenzene]					10
1,4-Dichlorobenzene [p-Dichlorobenzene]					10
3,3'-Dichlorobenzidine					5
Diethyl phthalate					10
Dimethyl phthalate					10
Di-n-butyl phthalate					10
2,4-Dinitrotoluene					10
2,6-Dinitrotoluene					10
Di-n-octyl phthalate					10
1,2-Diphenylhydrazine (as Azobenzene)					20
Fluoranthene					10
Fluorene					10
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50

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

\* Indicate units if different from µg/L.

Table 11 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Aldrin					0.01
alpha-BHC [alpha-Hexachlorocyclohexane]					0.05
beta-BHC [beta-Hexachlorocyclohexane]					0.05
gamma-BHC [gamma-Hexachlorocyclohexane]					0.05
delta-BHC [delta-Hexachlorocyclohexane]					0.05
Chlordane					0.2
4,4'-DDT					0.02
4,4'-DDE					0.1
4,4'-DDD					0.1
Dieldrin					0.02
Endosulfan I (alpha)					0.01
Endosulfan II (beta)					0.02
Endosulfan sulfate					0.1
Endrin					0.02
Endrin aldehyde					0.1
Heptachlor					0.01
Heptachlor epoxide					0.01
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

\* Indicate units if different from µg/L.

Attachment: N/A

#### 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 (Ronnell) CASRN 299-84-3
- ☐ 2,4,5-trichlorophenol (TCP) CASRN 95-95-4
- ☐ hexachlorophene (HCP) CASRN 70-30-4
- ☒ None of the above

Description: N/A

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: N/A

If **yes** to either Items a **or** b, complete Table 12 as instructed.

Table 12 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDD	1					10
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
OCDD	0.0003					100
OCDF	0.0003					100
PCB 77	0.0001					500
PCB 81	0.0003					500
PCB 126	0.1					500
PCB 169	0.03					500
Total						

**TABLE 13 (HAZARDOUS SUBSTANCES)**

Complete Table 13 **is required** for all **external outfalls** as directed below. (Instructions, Pages 60-61)

Are there any pollutants listed in the instructions (pages 55-62) believed present in the discharge?

☐ Yes ☒ No

Are there pollutants listed in Item 1.c. of Technical Report 1.0 which are believed present in the discharge and have not been analytically quantified elsewhere in this application?

☐ Yes ☒ No

If **yes** to either Items a or b, complete Table 13 as instructed.

Table 13 for Outfall No.: N/A

Samples are (check one): ☐ Composite ☐ Grab

Pollutant	CASRN	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	Analytical Method



# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.0: LAND APPLICATION OF EFFLUENT

This worksheet **is required** for all applications for a permit to disposal of wastewater by land application (i.e., TLAP)).

## Item 1. Type of Disposal System (Instructions, Page 69)

Check the box next to the type of land disposal requested by this application:

- |  |   |
|--|---|
| <input type="checkbox"/> Irrigation              | <input type="checkbox"/> Subsurface application                               |
| <input type="checkbox"/> Evaporation             | <input type="checkbox"/> Subsurface soils absorption                          |
| <input type="checkbox"/> Evapotranspiration beds | <input type="checkbox"/> Surface application                                  |
| <input type="checkbox"/> Drip irrigation system  | <input type="checkbox"/> Other, specify: <a href="#">Click to enter text.</a> |

## Item 2. Land Application Area (Instructions, Page 69)

### Land Application Area Information

Effluent Application (gallons/day)	Irrigation Acreage (acres)	Describe land use & indicate type(s) of crop(s)	Public Access? (Y/N)

## Item 3. Annual Cropping Plan (Instructions, Page 69)

Attach the required cropping plan that includes each of the following:

- Cool and warm season plant species
- Breakdown of acreage and percent of total acreage for each crop
- Crop growing season
- Harvesting method/number of harvests
- Minimum/maximum harvest height
- Crop yield goals
- Soils map
- Nitrogen requirements per crop
- Additional fertilizer requirements
- Supplemental watering requirements
- Crop salt tolerances
- Justification for not removing existing vegetation to be irrigated

**Attachment:**

## Item 4. Well and Map Information (Instructions, Page 70)

- a. Check each box to confirm the required information is shown and labeled on the attached USGS map:

- ☐ The exact boundaries of the land application area
- ☐ On-site buildings
- ☐ Waste-disposal or treatment facilities
- ☐ Effluent storage and tailwater control facilities
- ☐ Buffer zones
- ☐ All surface waters in the state onsite and within 500 feet of the property boundaries
- ☐ All water wells within ½-mile of the disposal site, wastewater ponds, or property boundaries
- ☐ All springs and seeps onsite and within 500 feet of the property boundaries

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

- b. List and cross reference all water wells located on or within 500 feet of the disposal site, wastewater ponds, or property boundaries in the following table. Attach additional pages as necessary to include all of the wells.

**Well and Map Information Table**

Well ID	Well Use	Producing? Y/N/U	Open, cased, capped, or plugged?	Proposed Best Management Practice

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

- c. Groundwater monitoring wells or lysimeters are/will be installed around the land application site or wastewater ponds.

☐ Yes      ☐ No

If **yes**, provide the existing/proposed location of the monitoring wells or lysimeters on the site map attached for Item 4.a. Additionally, attach information on the depth of the wells or lysimeters, sampling schedule, and monitoring parameters for TCEQ review, possible modification, and approval.

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

- d. Attach a short groundwater technical report using *30 TAC § 309.20(a)(4)* as guidance.

Attachment:

## Item 5. Soil Map and Soil Information (Instructions, Page 71)

Check each box to confirm that the following information is attached:

- ☐ USDA NRCS Soil Survey Map depicting the area to be used for land application with the locations identified by fields and crops.
- ☐ Breakdown of acreage and percent of total acreage for each soil type.
- ☐ Copies of laboratory soil analyses. **Attachment:** [Click to enter text.](#)

### Item 6. Effluent Monitoring Data (Instructions, Page 72)

- a. Completion of Table 14 **is required** for all **renewal** and **major amendment** applications. Complete the table with monitoring data for the previous two years for all parameters regulated in the current permit. An additional table has been provided with blank headers for parameters regulated in the current permit which are not listed in Table 14.

**Table 14 for Outfall No.:** [Click to enter text.](#)

Samples are (check one): ☐

Composite  Grab

[illegible]





## Item 7. Pollutant Analysis (Instructions, Page 72)

- Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): [Click to enter text.](#)
- ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- Complete Tables 15 and 16.

Table 15 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
BOD (5-day)				
CBOD (5-day)				
Chemical oxygen demand				
Total organic carbon				
Dissolved oxygen				
Ammonia nitrogen				
Total suspended solids				
Nitrate nitrogen				
Total organic nitrogen				
Total phosphorus				
Oil and grease				
Total residual chlorine				
Total dissolved solids				
Sulfate				
Chloride				
Fluoride				
Total alkalinity (mg/L as CaCO <sub>3</sub> )				
Temperature (°F)				
pH (standard units)				

Table 16 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

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

# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

This worksheet **is required** for all applications for a permit to disposal of wastewater by surface land application or evaporation.

## Item 1. Edwards Aquifer (Instructions, Page 73)

a. Is the facility subject to *30 TAC Chapter 213*, Edwards Aquifer Rules?

☐ Yes ☐ No

If **no**, proceed to Item 2. If **yes**, complete Items 1.b and 1.c.

b. Check the box next to the subchapter applicable to the facility.

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

c. If *30 TAC Chapter 213, Subchapter A* applies, attach **either**: 1) a Geologic Assessment (if conducted in accordance with *30 TAC § 213.5*) **or** 2) a report that contains the following:

- A description of the surface geological units within the proposed land application site and wastewater pond area.
- The location and extent of any sensitive recharge features in the land application site and wastewater pond area
- A list of any proposed BMPs to protect the recharge features.

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

## Item 2. Surface Spray/Irrigation (Instructions, Page 73)

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): [Click to enter text.](#)

Design application rate (acre-ft/acre/yr): [Click to enter text.](#)

Design application frequency (hours/day): [Click to enter text.](#)

Design application frequency (days/week): [Click to enter text.](#)

Design total nitrogen loading rate (lbs nitrogen/acre/year): [Click to enter text.](#)

Average slope of the application area (percent): [Click to enter text.](#)

Maximum slope of the application area (percent): [Click to enter text.](#)

Irrigation efficiency (percent): [Click to enter text.](#)

Effluent conductivity (mmhos/cm): [Click to enter text.](#)

Soil conductivity (mmhos/cm): [Click to enter text.](#)

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

Describe the application method and equipment: [Click to enter text.](#)

- b. Attach a detailed engineering report which includes a water balance, storage volume calculations, and a nitrogen balance. **Attachment:** [Click to enter text.](#)

### Item 3. Evaporation Ponds (Instructions, Page 74)

- a. Daily average effluent flow into ponds: [Click to enter text.](#) gallons per day
- b. Attach a separate engineering report of evaporation calculations for average long-term and worst-case critical conditions. **Attachment:** [Click to enter text.](#)

### Item 4. Evapotranspiration Beds (Instructions, Page 74)

- a. Provide the following information on the evapotranspiration beds:
- Number of beds: [Click to enter text.](#)
- Area of bed(s) (acres): [Click to enter text.](#)
- Depth of bed(s) (feet): [Click to enter text.](#)
- Void ratio of soil in the beds: [Click to enter text.](#)
- Storage volume within the beds (include units): [Click to enter text.](#)
- Description of any lining to protect groundwater: [Click to enter text.](#)
- b. Attach a certification by a licensed Texas professional engineer that the liner meets TCEQ requirements. **Attachment:** [Click to enter text.](#)
- c. Attach a separate engineering report with water balance, storage volume calculations, and description of the liner. **Attachment:** [Click to enter text.](#)

### Item 5. Overland Flow (Instructions, Page 74)

- a. Provide the following information on the overland flow:
- Area used for application (acres): [Click to enter text.](#)
- Slopes for application area (percent): [Click to enter text.](#)
- Design application rate (gpm/foot of slope width): [Click to enter text.](#)
- Slope length (feet): [Click to enter text.](#)
- Design BOD5 loading rate (lbs BOD5/acre/day): [Click to enter text.](#)
- Design application frequency (hours/day): [Click to enter text.](#)
- Design application frequency (days/week): [Click to enter text.](#)
- b. Attach a separate engineering report with the method of application and design requirements according to 30 TAC § 217.212. **Attachment:** [Click to enter text.](#)



# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 3.2: SUBSURFACE IRRIGATION (NON-DRIP)

This worksheet **is required** for all applications for a permit to disposal of wastewater by subsurface land application.

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

### Item 1. Edwards Aquifer (Instructions, Page 75)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?
- ☐ Yes      ☐ No
- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?
- ☐ Yes      ☐ No

If **yes** to Item 1.a **or** 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

### Item 2. Subsurface Application (Instructions, Page 75)

- a. Check the box next to the type of subsurface land disposal system requested:
- ☐ Conventional drainfield, beds, or trenches
- ☐ Low pressure dosing
- ☐ Other: [Click to enter text.](#)
- b. Provide the following information on the irrigation operations:
- Application area (acres): [Click to enter text.](#)
- Area of drainfield (square feet): [Click to enter text.](#)
- Application rate (gal/square ft/day): [Click to enter text.](#)
- Depth to groundwater (feet): [Click to enter text.](#)
- Area of trench (square feet): [Click to enter text.](#)
- Dosing duration per area (hours): [Click to enter text.](#)
- Number of beds: [Click to enter text.](#)
- Dosing amount per area (inches/day): [Click to enter text.](#)
- Soil infiltration rate (inches/hour): [Click to enter text.](#)
- Storage volume (gallons): [Click to enter text.](#)
- Area of bed(s) (square feet): [Click to enter text.](#)
- Soil classification: [Click to enter text.](#)
- c. Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation. **Attachment:** [Click to enter text.](#)

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 3.3: SUBSURFACE AREA DRIP DISPERSAL SYSTEMS

This worksheet **is required** for all applications for a permit to dispose of wastewater using a subsurface area drip dispersal system (SADDS).

- ☐ Check the box to confirm the Class V Injection Well Inventory/Authorization Form (Worksheet 9.0) has been submitted to the TCEQ UIC Permits Team as directed.

### Item 1. Edwards Aquifer (Instructions, Page 76)

- a. The subsurface system is/will be located on the Edwards Aquifer Recharge Zone, as mapped by TCEQ?

☐ Yes ☐ No

- b. The subsurface system is/will be located on the Edwards Aquifer Transition Zone, as mapped by TCEQ?

☐ Yes ☐ No

If **yes** to Item 1.a **or** 1.b, the subsurface system may be prohibited by *30 TAC § 213.8*. Contact the Water Quality Assessment Section at (512) 239-4671 for a preapplication meeting.

### Item 2. Administrative Information (Instructions, Page 76)

- a. Provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the treatment facility: [Click to enter text.](#)

- b. The owner of the land where the WWTF is/will be located is the same as the owner of the WWTF.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the owner of the land where the WWTF is/will be located: [Click to enter text.](#)

- c. Provide the legal name of the owner of the SADDS: [Click to enter text.](#)

- d. The owner of the SADDS is the same as the owner of the WWTF or the site where the WWTF is/will be located.

☐ Yes ☐ No

If **no**, identify the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in Item 1.c: [Click to enter text.](#)

- e. Provide the legal name of the owner of the land where the SADDS is located: [Click to enter text.](#)

- f. The owner of the land where the SADDs is/will be located is the same as owner of the WWTF, the site where the WWTF is located, or the owner of the SADDs.

☐ Yes ☐ No

If **no**, provide the legal name of all corporations or other business entities managed, owned, or otherwise closely related to the entity identified in item 1.e: [Click to enter text.](#)

### Item 3. SADDs (Instructions, Page 77)

- a. Check the box next to the type SADDs requested by this application:

☐ Subsurface drip/trickle irrigation  
☐ Surface drip irrigation  
☐ Other: [Click to enter text.](#)

- b. Attach a description of the SADDs proposed/used by the facility (see instructions for guidance). **Attachment:** [Click to enter text.](#)

- c. Provide the following information on the SADDs:

Application area (acres): [Click to enter text.](#)

Soil infiltration rate (inches/hour): [Click to enter text.](#)

Average slope of the application area: [Click to enter text.](#)

Maximum slope of the application area: [Click to enter text.](#)

Storage volume (gallons): [Click to enter text.](#)

Major soil series: [Click to enter text.](#)

Depth to groundwater (feet): [Click to enter text.](#)

Effluent conductivity (mmhos/cm): [Click to enter text.](#)

- d. The facility is/will be located west of the boundary shown in 30 TAC § 222.83 **and** using a vegetative cover of non-native grasses over seeded with cool-season grasses.

☐ Yes ☐ No

If **yes**, the facility may propose a hydraulic application rate up to, but not to exceed, 0.1 gal/ft<sup>2</sup>/day.

- e. The facility is/will be located east of the boundary shown in 30 TAC § 222.83 **or** is the facility proposing any crop other than non-native grasses.

☐ Yes ☐ No

If **yes**, the facility must use the formula in 30 TAC § 222.83 to calculate the maximum hydraulic application rate.

- f. The facility has or plans to submit an alternative method to calculate the hydraulic application rate for approval by the ED.

☐ Yes ☐ No

If **yes**, provide the following information on the hydraulic application rates:

- Hydraulic application rate (gal/square foot/day): [Click to enter text.](#)
- Nitrogen application rate (gal/square foot/day): [Click to enter text.](#)

g. Provide the following dosing information:

Number of doses per day: [Click to enter text.](#)

Dosing duration per area (hours): [Click to enter text.](#)

Rest period between doses (hours): [Click to enter text.](#)

Dosing amount per area (inches/day): [Click to enter text.](#)

Number of zones: [Click to enter text.](#)

h. The system is/will be a surface drip irrigation system using existing native vegetation as a crop?

☐ Yes ☐ No

If **yes**, attach the following information:

- A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.

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

- Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.

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

## Item 4. Required Plans (Instructions, Page 78)

a. Attach a Soil Evaluation with all information required in *30 TAC § 222.73*.

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

b. Attach a Site Preparation Plan with all information required in *30 TAC § 222.75*.

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

c. Attach a Recharge Feature Plan with all information required in *30 TAC § 222.79*.

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

d. Provide soil sampling and testing with all information required in *30 TAC § 222.157*.

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

## Item 5. Flood and Run-On Protection (Instructions, Page 79)

a. Is the existing/proposed SADDs located within the 100-year frequency flood level?

☐ Yes ☐ No

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

If **yes**, describe how the site will be protected from inundation: [Click to enter text.](#)

b. Is the existing/proposed SADDs within a designated floodway?

☐ Yes ☐ No

If **yes**, attach either the FEMA flood map or alternate information used to make this determination. **Attachment:** [Click to enter text.](#)

## Item 6. Surface Waters in The State (Instructions, Page 79)

a. Attach a buffer map which shows the appropriate buffers on surface waters in the state, water wells, and springs/seeps. **Attachment:** [Click to enter text.](#)

b. The facility has or plans to request a buffer variance from water wells or waters in the state?

☐ Yes ☐ No

If **yes**, attach the additional information required in *30 TAC § 222.81(c)*. **Attachment:** [Click to enter text.](#)



# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 4.0: RECEIVING WATERS

This worksheet is **required** for all TPDES permit applications.

### Item 1. Domestic Drinking Water Supply (Instructions, Page 80)

- a. There is a surface water intake for domestic drinking water supply located within 5 (five) miles downstream from the point/proposed point of discharge.

☐ Yes ☒ No

If **no**, stop here and proceed to Item 2. If **yes**, provide the following information:

1. The legal name of the owner of the drinking water supply intake: N/A
2. The distance and direction from the outfall to the drinking water supply intake: N/A

- 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: Hatley Creek, Potters Creek, Colliers Creek, Brandy Branch, Roseborough Creek, Eightmile Creek, Starkey Creek, Clarks Creek, and/or their tributaries, thence to the Sabine River above Toledo Bend Reservoir (segment 505).

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

Date and time of observation: [Click to enter text.](#)

- 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):

<input checked="" type="checkbox"/> oil field activities	<input type="checkbox"/> urban runoff
<input checked="" type="checkbox"/> agricultural runoff	<input type="checkbox"/> septic tanks
<input type="checkbox"/> upstream discharges	<input type="checkbox"/> other, specify: <a href="#">Click to enter text.</a>

- b. Uses of water body observed or evidence of such uses (check all that apply):

<input type="checkbox"/> livestock watering	<input type="checkbox"/> industrial water supply
<input type="checkbox"/> non-contact recreation	<input type="checkbox"/> irrigation withdrawal
<input type="checkbox"/> domestic water supply	<input type="checkbox"/> navigation
<input type="checkbox"/> contact recreation	<input type="checkbox"/> picnic/park activities
<input type="checkbox"/> fishing	<input checked="" type="checkbox"/> other, specify: <u>Sedimentation ponds for treatment of lignite surface mine stormwater runoff</u>

- c. Description which best describes the aesthetics of the receiving water and the surrounding area (check only one):

☐ **Wilderness:** outstanding natural beauty; usually wooded or un-pastured area: water clarity exceptional

☒ **Natural Area:** trees or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ **Common Setting:** not offensive, developed but uncluttered; water may be colored or turbid

☐ **Offensive:** stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 4.1: WATERBODY PHYSICAL CHARACTERISTICS

The following information **is required** for new applications, EPA-designated Major facilities, and major amendment applications requesting to add an outfall if the receiving waters are perennial or intermittent with perennial pools (including impoundments) for a TDPES permit.

Complete the transects downstream of the existing or proposed discharges.

### Item 1. Data Collection (Instructions, Page 82)

- a. Date of study: [Click to enter text.](#) Time of study: [Click to enter text.](#)  
Waterbody name: [Click to enter text.](#)  
General location: [Click to enter text.](#)
- b. Type of stream upstream of an existing discharge or downstream of a proposed discharge (check only one):  
☐ perennial ☐ intermittent with perennial pools ☐ impoundment
- c. No. of defined stream bends:  
Well: [Click to enter text.](#) Moderately: [Click to enter text.](#) Poorly: [Click to enter text.](#)
- d. No. of riffles: [Click to enter text.](#)
- e. Evidence of flow fluctuations (check one):  
☐ Minor ☐ Moderate ☐ Severe
- f. Provide the observed stream uses and where there is evidence of channel obstructions/modifications: [Click to enter text.](#)
- g. Complete the following table with information regarding the transect measurements.

**Stream Transect Data**

Transect Location	Habitat Type*	Water Surface Width (ft)	Stream Depths (ft)**								

\* riffle, run, glide, or pool

\*\* channel bed to water surface

## Item 2. Summarize Measurements (Instructions, Page 83)

Provide the following information regarding the transect measurements:

Streambed slope of entire reach (from USGS map in ft. /ft.): [Click to enter text.](#)

Approximate drainage area above the most downstream transect from USGS map or county highway map (square miles): [Click to enter text.](#)

Length of stream evaluated (ft): [Click to enter text.](#)

Number of lateral transects made: [Click to enter text.](#)

Average stream width (ft): [Click to enter text.](#)

Average stream depth (ft): [Click to enter text.](#)

Average stream velocity (ft/sec): [Click to enter text.](#)

Instantaneous stream flow (ft<sup>3</sup>/sec): [Click to enter text.](#)

Indicate flow measurement method (VERY IMPORTANT – type of meter, floating chip timed over a fixed distance, etc.): [Click to enter text.](#)

Flow fluctuations (i.e., minor, moderate, or severe): [Click to enter text.](#)

Size of pools (i.e., large, small, moderate, or none): [Click to enter text.](#)

Maximum pool depth (ft): [Click to enter text.](#)

Total number of stream bends: [Click to enter text.](#)

Number well defined: [Click to enter text.](#)

Number moderately defined: [Click to enter text.](#)

Number poorly defined: [Click to enter text.](#)

Total number of riffles: [Click to enter text.](#)



# 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:** N/A – Not a new or amendment permit application nor does the facility discharge in the Lake Houston watershed.

### 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:** N/A

b. Provide the following information for each disposal site:

Disposal site name: Edward's Septic and Grease Trap Services, Inc.

TCEQ Permit/Registration Number: WQ0014132001, RN101513000

County where disposal site is located: Gregg

c. Method of sewage sludge transportation:

☒ truck    ☐ train    ☐ pipe    ☐ other: [Click to enter text.](#)

TCEQ Hauler Registration Number: Edward's Septic and Grease Trap Services, Inc. #22624

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:** 8

### 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:** N/A

**NOTE:** New authorization for beneficial land application, incineration, processing, or disposal in the TPDES permit or TLAP **requires a major amendment to the permit**. New authorization for composting may require a major amendment to the permit. See the instructions to determine if a major amendment is required or if authorization for composting can be added through the renewal process.

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 6.0: INDUSTRIAL WASTE CONTRIBUTION

The following information is **required** for all applications for publicly-owned treatment works (POTWs).

For an explanation of the terms used in this worksheet, refer to the General Definitions on pages 4-12 and the Definitions Relating to Pretreatment on pages 13-14 of the Instructions.

### Item 1. All POTWs (Instructions, Page 86)

- a. Complete the following table with the number of each type of industrial users (IUs) that discharge to the POTW and the daily average flows from each.

#### Industrial User Information

Type of Industrial User	Number of Industrial Users	Daily Average Flow (gallons per day)
CIU		
SIU - Non-categorical		
Other IU		

- b. In the past three years, has the POTW experienced treatment plant interference?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, nature of interference, and probable cause(s) and possible source(s) of each interference event. Include the names of the IU(s) that may have caused the interference: [Click to enter text.](#)

- c. In the past three years, has the POTW experienced pass-through?

☐ Yes ☐ No

If **yes**, identify the date(s), duration, pollutants passing through the treatment plant, and probable cause(s) and possible source(s) of each pass-through event. Include the names of the IU(s) that may have caused the pass-through: [Click to enter text.](#)

- d. Does the POTW have, or is it required to develop, an approved pretreatment program?

☐ Yes ☐ No

If **yes**, answer all questions in Item 2 and skip Item 3.

If **no**, skip Item 2 and answer all questions in Item 3 for each SIU and CIU.

### Item 2. POTWs With Approved Pretreatment Programs or Those Required To Develop A Pretreatment Program (Instructions, Page 86)

- a. Have there been any substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ) for approval according to 40 CFR § 403.18?

☐ Yes ☐ No

If **yes**, include an attachment which identifies all substantial modifications that have not been submitted to the TCEQ and the purpose of the modifications.

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

- b. Have there been any non-substantial modifications to the POTW's approved pretreatment program that have not been submitted to the Approval Authority (TCEQ)?

☐ Yes      ☐ No

If **yes**, include an attachment which identifies all non-substantial modifications that have not been submitted to the TCEQ and the purpose of the modification.

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

- c. List all parameters measured above the MAL in the POTW's effluent monitoring during the last three years:

**Effluent Parameters Measured Above the MAL**

Pollutant	Concentration	MAL	Units	Date

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

- d. Has any SIU, CIU, or other IU caused or contributed to any other problems (excluding interference or pass-through) at the POTW in the past three years?

☐ Yes      ☐ No

If **yes**, provide a description of each episode, including date(s), duration, description of problems, and probable pollutants. Include the name(s) of the SIU(s)/CIU(s)/other IU(s) that may have caused or contributed to any of the problems: [Click to enter text.](#)

### Item 3. Significant Industrial User and Categorical Industrial User Information (Instructions, Pages 88-87)

POTWs that **do not** have an approved pretreatment program **are required** to provide the following information for each SIU and CIU:

- a. Mr. or Ms.: [Click to enter text.](#) First/Last Name: [Click to enter text.](#)

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

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

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

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

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

City/State/ZIP Code: [Click to enter text.](#)

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

- b. Describe the industrial processes or other activities that affect or contribute to the SIU(s) or CIU(s) discharge (e.g., process and non-process wastewater): [Click to enter text.](#)

c. Provide a description of the principal products(s) or service(s) performed: [Click to enter text.](#)

d. Flow rate information

**Flow Rate Information**

Effluent Type	Discharge Day (gallons per day)	Discharge Frequency (Continuous, batch, or intermittent)
Process Wastewater		
Non-process Wastewater		

e. Pretreatment Standards

1. Is the SIU or CIU subject to technology-based local limits as defined in the application instructions?

☐ Yes ☐ No

2. Is the SIU subject to categorical pretreatment standards?

☐ Yes ☐ No

If **yes**, provide the category and subcategory or subcategories in the SIUs Subject To Categorical Pretreatment Standards table.

**SIUs Subject to Categorical Pretreatment Standards**

Category in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR	Subcategory in 40 CFR

f. Has the SIU or CIU caused or contributed to any problem(s) (e.g., interferences, pass through, odors, corrosion, blockages) at the POTW in the past three years?

☐ Yes ☐ No

If **yes**, provide a description of each episode, including dates, duration, description of problems, and probable pollutants, and include the name(s) of the SIU(s)/CIU(s) that may have caused or contributed to the problem(s): [Click to enter text.](#)



# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 7.0: STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges consisting of **either**: 1) solely of stormwater discharges associated with industrial activities, as defined in *40 CFR § 122.26(b)(14)(i-xi)*, **or** 2) stormwater discharges associated with industrial activities and any of the listed allowable non-stormwater discharges, as defined in the MSGP (TXR05000), Part II, Section A, Item 6.

Discharges of stormwater as defined in *40 CFR § 122.26 (b)(13)* are not required to obtain authorization under a TPDES permit (see exceptions at *40 CFR §§ 122.26(a)(1)* and *(9)*). Authorization for discharge may be required from a local municipal separate storm sewer system.

### Item 1. Applicability (Instructions, Page 89)

Do discharges from any of the existing/proposed outfalls consist either 1) solely of stormwater discharges associated with industrial activities **or** 2) stormwater discharges associated with industrial activities and any of the allowable non-stormwater discharges?

☒ Yes ☐ No

If **no**, stop here. If **yes**, proceed as directed.

### Item 2. Stormwater Coverage (Instructions, Page 89)

List each existing/proposed stormwater outfall at the facility and indicate which type of authorization covers or is proposed to cover discharges.

#### Authorization Coverage

Outfall	Authorization under MSGP	Authorized Under Individual Permit
S001	<input checked="" type="checkbox"/>	<input type="checkbox"/>
S003	<input checked="" type="checkbox"/>	<input type="checkbox"/>
S004	<input checked="" type="checkbox"/>	<input type="checkbox"/>
S005	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	All Stormwater runoff other than MSGP is identified in prior worksheets.	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>

If **all** existing/proposed outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) are **authorized under the MSGP**, **stop** here.

If **seeking authorization** for any outfalls which discharge stormwater associated with industrial activities (and any of the allowable non-stormwater discharges) **under an individual permit**, **proceed**.

**NOTE: The following information is required for each existing/proposed stormwater outfall for which the facility is seeking individual permit authorization under this application**

### **Item 3. Site Map (Instructions, Page 90)**

Attach a site map or maps (drawn to scale) of the entire facility with the following information.

- the location of each stormwater outfall to be covered by the permit
- an outline of the drainage area that is within the facility's boundary and that contributes stormwater to each outfall to be covered by the permit
- connections or discharge points to municipal separate storm sewer systems
- locations of all structures (e.g. buildings, garages, storage tanks)
- structural control devices that are designed to reduce pollution in discharges of stormwater associated with industrial activities
- process wastewater treatment units (including ponds)
- bag house and other air treatment units exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)
- landfills; scrapyards; surface water bodies (including wetlands)
- vehicle and equipment maintenance areas
- physical features of the site that may influence discharges of stormwater associated with industrial activities or contribute a dry weather flow
- locations where spills or leaks of reportable quality (as defined in *30 TAC § 327.4*) have occurred during the three years before this application was submitted to obtain coverage under an individual permit
- processing areas, storage areas, material loading/unloading areas, and other locations where significant materials are exposed to stormwater (stormwater runoff, snow melt runoff, and surface runoff and drainage)

☐ Check the box to confirm all above information was provided on the facility site map(s).

**Attachment:** N/A

### **Item 4. Facility/Site Information (Instructions, Page 90)**

- a. Provide the area of impervious surface and the total area drained by each stormwater outfall requested for authorization by this permit application.

#### **Impervious Surfaces**

<b>Outfall</b>	<b>Area of Impervious Surface (include units)</b>	<b>Total Area Drained (include units)</b>
N/A		

- b. Provide the following local area rainfall information and the source of the information.  
Wettest month: N/A  
Average rainfall for wettest month (total inches): N/A  
25-year, 24-hour rainfall (inches): N/A  
Source: N/A
- c. Attach an inventory, or list, of materials currently handled at the facility that may be exposed to precipitation. **Attachment:** N/A
- d. Attach narrative descriptions of the industrial processes and activities involving the materials in the above-listed inventory that occur outdoors or in some manner that may result in exposure of the materials to precipitation or runoff (see instructions for guidance). **Attachment:** N/A
- e. Describe any BMPs and controls the facility uses/proposes to prevent or effectively reduce pollution in stormwater discharges from the facility: N/A

## Item 5. Pollutant Analysis (Instructions, Page 91)

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): N/A
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Complete Table 17 as directed on page 92 of the Instructions.

Table 17 for Outfall No.: N/A

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
pH (standard units)	(max)	—	(min)	—		—
Total suspended solids						—
Chemical oxygen demand						—
Total organic carbon						—
Oil and grease						—
Arsenic, total						0.0005
Barium, total						0.003
Cadmium, total						0.001
Chromium, total						0.003
Chromium, trivalent						—
Chromium, hexavalent						0.003
Copper, total						0.002

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled	MAL (mg/L)
Lead, total						0.0005
Mercury, total						0.000005
Nickel, total						0.002
Selenium, total						0.005
Silver, total						0.0005
Zinc, total						0.005

\* Taken during first 30 minutes of storm event

\*\* Flow-weighted composite sample

d. Complete Table 18 as directed on pages 92-94 of the Instructions.

Table 18 for Outfall No.: N/A

Pollutant	Grab Sample* Maximum (mg/L)	Composite Sample** Maximum (mg/L)	Grab Sample* Average (mg/L)	Composite Sample** Average (mg/L)	Number of Storm Events Sampled

\* Taken during first 30 minutes of storm event

\*\* Flow-weighted composite sample

**Attachment:** N/A

## Item 6. Storm Event Data (Instructions, Page 93)

Provide the following data for the storm event(s) which resulted in the maximum values for the analytical data submitted:

Date of storm event: N/A

Duration of storm event (minutes): N/A

Total rainfall during storm event (inches): N/A

Number of hours the between beginning of the storm measured and the end of the previous measurable storm event (hours): N/A

Maximum flow rate during rain event (gallons/minute): N/A

Total stormwater flow from rain event (gallons): N/A

Provide a description of the method of flow measurement or estimate: N/A



# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 8.0: AQUACULTURE

This worksheet **is required** for all TPDES permit applications requesting individual permit coverage for discharges of aquaculture wastewater.

### Item 1. Facility/Site Information (Instructions, Page 94)

- a. Complete the following table with information regarding production ponds, raceways, and fabricated tanks at the facility.

#### Production Pond Descriptions

Number of Ponds	Dimensions (include units)	Area of Each Pond (include units)	Number of Ponds x Area of Ponds (include Units)

Total surface area of all ponds: [Click to enter text.](#)

#### Raceway Descriptions

Number of Raceways	Dimensions (include units)

#### Fabricated Tank Descriptions

Number of Tanks	Dimensions (include units)

b. Does the facility have a TPWD-approved emergency plan?

☐ Yes ☐ No

If **yes**, attach a copy of the approved plan.

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

c. Does the facility have an aquatic plant transplant authorization?

☐ Yes ☐ No

If **yes**, attach a copy of the authorization letter.

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

d. Provide the number of aquaculture facilities located within 25-miles of this facility: [Click to enter text.](#)

## Item 2. Species Identification (Instructions, Page 95)

Complete the following table regarding each species raised, source, origin, and disease status of the stock. Identify and attach copies of any current relevant authorizations or permits that authorize the species.

### Stock Species Information

Species	Source of Stock	Origin of Stock	Disease Status	Authorizations

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

## Item 3. Stock Management Plan (Instructions, Page 95)

Attach a detailed stock management plan: [Click to enter text.](#)

## Item 4. Water Treatment and Discharge Description (Instructions, Page 96)

Attach a detailed description of the discharge practices and water treatment process(es): [Click to enter text.](#)

## Item 5. Solid Waste Management (Instructions, Page 96)

Attach a description of the solid waste-disposal practices: [Click to enter text.](#)

## Item 6. Site Assessment Report (Instructions, Page 96)

All new and expanding commercial shrimp facilities located/to be located within the coastal zone must attach a detailed site assessment report which identifies sensitive aquatic habitats within the coastal zone: [Click to enter text.](#)

# WORKSHEET 9.0

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

### CLASS V INJECTION WELL INVENTORY/AUTHORIZATION FORM

Submit the completed form to:

TCEQ  
IUC Permits Team  
Radioactive Materials Division  
MC-233  
PO Box 13087  
Austin, Texas 78711-3087  
512-239-6466

For TCEQ Use Only

Reg. No. \_\_\_\_\_

Date Received \_\_\_\_\_

Date Authorized \_\_\_\_\_

## Item 1. General Information (Instructions Page 99)

### 1. TCEQ Program Area

Program Area (PST, VCP, IHW, etc.): [Click to enter text.](#)

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

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

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

### 2. Agent/Consultant Contact Information

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

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

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

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

### 3. Owner/Operator Contact Information

☐ Owner ☐ Operator

Owner/Operator Name: [Click to enter text.](#)

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

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

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

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

### 4. Facility Contact Information

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

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

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

Location description (if no address is available): [Click to enter text.](#)

Facility Contact Person: [Click to enter text.](#)

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

**5. Latitude and Longitude, in degrees-minutes-seconds**

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

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

Method of determination (GPS, TOPO, etc.): [Click to enter text.](#)

Attach topographic quadrangle map as attachment A.

**6. Well Information**

Type of Well Construction, select one:

- ☐ Vertical Injection
- ☐ Subsurface Fluid Distribution System
- ☐ Infiltration Gallery
- ☐ Temporary Injection Points
- ☐ Other, Specify: [Click to enter text.](#)

Number of Injection Wells: [Click to enter text.](#)

**7. Purpose**

Detailed Description regarding purpose of Injection System:

[Click to enter text.](#)

Attach a Site Map as Attachment B (Attach the Approved Remediation Plan, if appropriate.)

**8. Water Well Driller/Installer**

Water Well Driller/Installer Name: [Click to enter text.](#)

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

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

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

## Item 2. Proposed Down Hole Design

Attach a diagram signed and sealed by a licensed engineer as Attachment C.

**Down Hole Design Table**

Name of String	Size	Setting Depth	Sacks Cement/Grout – Slurry Volume – Top of Center	Hole Size	Weight (lbs/ft) PVC/Steel
Casing					
Tubing					
Screen					

### Item 3. Proposed Trench System, Subsurface Fluid Distribution System, or Infiltration Gallery

Attach a diagram signed and sealed by a licensed engineer as Attachment D.

System(s) Dimensions: [Click to enter text.](#)

System(s) Construction: [Click to enter text.](#)

### Item 4. Site Hydrogeological and Injection Zone Data

1. Name of Contaminated Aquifer: [Click to enter text.](#)

2. Receiving Formation Name of Injection Zone: [Click to enter text.](#)

3. Well/Trench Total Depth: [Click to enter text.](#)

4. Surface Elevation: [Click to enter text.](#)

5. Depth to Ground Water: [Click to enter text.](#)

6. Injection Zone Depth: [Click to enter text.](#)

7. Injection Zone vertically isolated geologically? ☐ Yes ☐ No

Impervious Strata between Injection Zone and nearest Underground Source of Drinking Water:

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

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

8. Attach a list of contaminants and the levels (ppm) in contaminated aquifer as Attachment E.

9. Attach the Horizontal and Vertical extent of contamination and injection plume as Attachment F.

10. Attach Formation (Injection Zone) Water Chemistry (Background levels) TDS, etc., as Attachment G.

11. Injection Fluid Chemistry in PPM at point of injection. Attach as Attachment H.

12. Lowest Known Depth of Ground Water with < 10,000 PPM TDS: [Click to enter text.](#)

13. Maximum injection Rate/Volume/Pressure: [Click to enter text.](#)

14. Water wells within 1/4 mile radius (attach map as Attachment I): [Click to enter text.](#)

15. Injection wells within 1/4 mile radius (attach map as Attachment J): [Click to enter text.](#)

16. Monitor wells within 1/4 mile radius (attach drillers logs and map as Attachment K): [Click to enter text.](#)

17. Sampling frequency: [Click to enter text.](#)

18. Known hazardous components in injection fluid: [Click to enter text.](#)



## Item 5. Site History

1. Type of Facility: [Click to enter text.](#)
2. Contamination Dates: [Click to enter text.](#)
3. Original Contamination (VOCs, TPH, BTEX, etc.) and Concentrations. Attach as Attachment L.
4. Previous Remediation. Attach results of any previous remediation as Attachment M.

**NOTE:** Authorization Form should be completed in detail and authorization given by the TCEQ before construction, operation, and/or conversion can begin. Attach additional pages as necessary.

## Item 6. CLASS V INJECTION WELL DESIGNATIONS

- 5A07 Heat Pump/AC return (IW used for groundwater to heat or cool buildings)
- 5A19 Industrial Cooling Water Return Flow (IW used to cool industrial process equipment)
- 5B22 Salt Water Intrusion Barrier (IW used to inject fluids to prevent the intrusion of salt water into an aquifer)
- 5D02 Stormwater Drainage (IW designed for the disposal of rain water)
- 5D04 Industrial Stormwater Drainage Wells (IW designed for the disposal of rain water associated with industrial facilities)
- 5F01 Agricultural Drainage (IW that receive agricultural runoff)
- 5R21 Aquifer Recharge (IW used to inject fluids to recharge an aquifer)
- 5S23 Subsidence Control Wells (IW used to control land subsidence caused by groundwater withdrawal)
- 5W09 Untreated Sewage
- 5W10 Large Capacity Cesspools (Cesspools that are designed for 5,000 gpd or greater)
- 5W11 Large Capacity Septic systems (Septic systems designed for 5,000 gpd or greater)
- 5W12 WTPP disposal
- 5W20 Industrial Process Waste-disposal Wells
- 5W31 Septic System (Well Disposal method)
- 5W32 Septic System Drainfield Disposal
- 5X13 Mine Backfill (IW used to control subsidence, dispose of mining byproducts, or fill sections of a mine)
- 5X25 Experimental Wells (Pilot Test) (IW used to test new technologies or tracer dye studies)
- 5X26 Aquifer Remediation (IW used to clean up, treat, or prevent contamination of a USDW)
- 5X27 Other Wells
- 5X28 Motor Vehicle Waste-disposal Wells (IW used to dispose of waste from a motor vehicle site - These are currently banned)
- 5X29 Abandoned Drinking Water Wells (waste disposal)

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 10.0: QUARRIES IN THE JOHN GRAVES SCENIC RIVERWAY

This worksheet **is required** for all applications for individual permits for a municipal solid waste facility or mining facility located within a Water Quality Protection Area in the John Graves Scenic Riverway. **Note: Review 30 TAC §§ 311.71-311.82 thoroughly prior to completing any portion of this worksheet.**

### Item 1. Exclusions (Instructions, Page 100)

- a. Is this a municipal solid waste facility?  
☐ Yes ☐ No
- b. Has this quarry been in operation since January 1, 1994 without cessation of operation for more than 30 consecutive days and under the same ownership?  
☐ Yes ☐ No
- c. Is this a coal mine?  
☐ Yes ☐ No
- d. Is this facility mining clay and/or shale for use in manufacturing structural clay products?  
☐ Yes ☐ No

If **yes** to **any** above question, **stop here**. The facility is required to maintain documentation, as outlined in 30 TAC § 311.72(c), at the facility to demonstrate the exclusion(s).

### Item 2. Location of the Quarry (Instructions, Page 101)

Check the box next to the distance between the quarry and the nearest navigable water body:

- ☐ < 200 feet ☐ 200 feet – 1,500 feet ☐ 1,500 feet – 1 mile ☐ > 1 mile

**NOTE:** The construction or operation of any new quarry or expansion of any existing quarry **is prohibited** within 200 feet of any water body located within a Water Quality Protection Area in the John Graves Scenic Riverway.

### Item 3. Additional Requirements (Instructions, Page 101)

Use the table in the Instructions to determine if additional application requirements apply to the facility based on distance between the quarry and the nearest waterway. Attach as appropriate or enter N/A.

- a. Attach a Restoration Plan: [Click to enter text.](#)
- b. Amount of Financial Assurance for Restoration: \$ [Click to enter text.](#)  
Mechanism: [Click to enter text.](#)
- c. Attach a Technical Demonstration: [Click to enter text.](#)
- d. Attach a Reclamation Plan: [Click to enter text.](#)
- e. Amount of Financial Assurance for Reclamation: \$ [Click to enter text.](#)  
Mechanism: [Click to enter text.](#)

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 11.0: COOLING WATER SYSTEM INFORMATION

This worksheet is **required** for all TPDES permit applications that meet the conditions outlined in Technical Report 1.0, Item 12.

### Item 1. Cooling Water System Data (Instructions, Page 104)

a. Complete the following table with information regarding the cooling water system.

**Cooling Water System Data**

Parameter	Volume (include units)
Total DIF	
Total AIF	
Intake Flow Use(s) (%)	
Contact cooling	
Non-contact cooling	
Process Wastewater	
Other	

b. Attach the following information:

1. A narrative description of the design and annual operation of the facility's cooling water system and its relationship to the CWIS(s).
2. A scaled map depicting the location of each CWIS, impoundment, intake pipe, and canals, pipes, or waterways used to convey cooling water to, or within, the cooling water system. Provide the latitude and longitude for each CWIS and any intake pipe(s) on the map. Indicate the position of the intake pipe within the water column.
3. A description of water reuse activities, if applicable, reductions in total water withdrawals, if applicable, and the proportion of the source waterbody withdrawn (on a monthly basis).
4. Design and engineering calculations prepared by a qualified professional and data to support the information provided in above item a.
5. Previous year (a minimum of 12 months) of AIF data.
6. A narrative description of existing or proposed impingement and entrainment technologies or operation measures and a summary of their performance, including, but not limited to, reductions in impingement mortality and entrainment due to intake location and reductions in total water withdrawals and usage.

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

## Item 2. Cooling Water Intake Structure(s) Data (Instructions, Page 105)

- a. Complete the following table with information regarding each cooling water intake structure (this includes primary and make-up CWIS(s)).

**Cooling Water Intake Structure(s) Data**

CWIS ID				
DIF (include units)				
AIF (include units)				
Intake Flow Use(s) (%)				
Contact cooling				
Non-contact cooling				
Process Wastewater				
Other				
Latitude (decimal degrees)				
Longitude (decimal degrees)				

- b. Attach the following information regarding the CWIS(s):
1. A narrative description of the configuration of each CWIS, annual and daily operation, including any seasonal changes, and where it is located in the water body and in the water column.
  2. Engineering calculations for each CWIS.

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

## Item 3. Source Water Physical Data (Instructions, Page 105)

- a. Complete the following table with information regarding the CWIS(s) source waterbody (this includes primary and make-up CWIS(s)).

**Source Waterbody Data**

CWIS ID				
Source Waterbody				
Mean Annual Flow				
Source				

- b. Attach the following information regarding the source waterbody.
1. A narrative description of the source water for each CWIS, including areal dimensions, depths, salinity and temperature regimes, and other documentation that supports this determination of the water body type where each cooling water intake structure is located.

2. A narrative description of the source waterbody's hydrological and geomorphological features.
3. Scaled drawings showing the physical configuration of all source water bodies used by the facility, including the source waterbody's hydrological and geomorphological features. **NOTE:** The source waterbody's hydrological and geomorphological features may be included on the map submitted for item 1.b.ii of this worksheet.
4. A description of the methods used to conduct any physical studies to determine the intake's area of influence within the waterbody and the results of such studies.

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

## Item 4. Operational Status (Instructions, Page 106)

- a. Is this application for a power production or steam generation facility?

☐ Yes      ☐ No

If **no**, proceed to Item 4.b. If **yes**, provide the following information as an attachment:

1. Describe the operating status of each individual unit, including age, capacity utilization rate (or equivalent) for the previous five years (a minimum of 60 months), and any seasonal changes in operation.
2. Describe any extended or unusual outages or other factors which significantly affect current data for flow, impingement, entrainment.
3. Identify any operating unit with a capacity utilization rate of less than 8 percent averaged over a contiguous period of two years (a minimum of 24 months).
4. Describe any major upgrades completed within the last 15 years, including but not limited to boiler replacement, condenser replacement, turbine replacement, or changes of fuel type.

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

- b. Process Units

1. Is this application for a facility which has process units that use cooling water (other than for power production or steam generation)?

☐ Yes      ☐ No

If **no**, proceed to Item 4.c. If **yes**, continue.

2. Does the facility use or intend to use reductions in flow or changes in operations to meet the requirements of *40 CFR § 125.94(c)*?

☐ Yes      ☐ No

If **no**, proceed to Item 4.c. If **yes**, attach descriptions of the following information:

- Individual production processes and product lines
- The operating status, including age of each line and seasonal operation
- Any extended or unusual outages that significantly affect current data for flow, impingement, entrainment, or other factors

- Any major upgrades completed within the last 15 years and plans or schedules for decommissioning or replacement of process units or production processes and product lines.

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

c. Is this an application for a nuclear power production facility?

☐ Yes      ☐ No

If **no**, proceed to Item 4.d. If **yes**, attach a description of completed, approved, or scheduled upgrades and the Nuclear Regulatory Commission relicensing status for each unit at the facility.

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

d. Is this an application for a manufacturing facility?

☐ Yes      ☐ No

If **no**, proceed to Worksheet 11.1. If **yes**, attach descriptions of current and future production schedules and any plans or schedules for any new units planned within the next five years (a minimum of 60 mos)

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



# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 11.1: IMPINGEMENT MORTALITY

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

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

### Item 1. Impingement Compliance Technology Selection (Instructions, Page 107)

Check the box next to the method of compliance for the Impingement Mortality Standard selected by the facility.

- ☐ Closed-cycle recirculating system (CCRS) [40 CFR § 125.94(c)(1)]
- ☐ 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] – Proceed to Worksheet 11.2
- ☐ 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]
- ☐ Existing offshore velocity cap [40 CFR § 125.94(c)(4)] – Proceed to Worksheet 11.2
- ☐ Modified traveling screens [40 CFR § 125.94(c)(5)]
- ☐ System of technologies [40 CFR § 125.94(c)(6)]
- ☐ Impingement mortality performance standard [40 CFR § 125.94(c)(7)]
- ☐ De minimis rate of impingement [40 CFR § 125.94(c)(11)]
- ☐ Low capacity utilization power-generation facilities [40 CFR § 125.94(c)(12)]

If 0.5 ft/s Through-Screen Design Velocity [40 CFR § 125.94(c)(2)] or existing offshore velocity cap [40 CFR § 125.94(c)(4)] was selected, proceed to Worksheet 11.2. Otherwise, continue to Item 2.

### Item 2. Impingement Compliance Technology Information (Instructions, Page 107)

Complete the following sections based on the selection made for item 1 above.

a. CCRS [40 CFR § 125.94(c)(1)]

- ☐ Check this box to confirm the CWS meets the definition of CCRS located at 40 CFR § 125.91(c) and provide a response to the following questions.

1. Does the facility use or propose to use a CWIS to replenish water losses to the CWS?

- ☐ Yes      ☐ No

If **no**, proceed to item a.2. If **yes**, provide the following information as an attachment and continue.

- CWIS ID
- 12 months of intake flow data for any CWIS used for make-up intake flows to replenish cooling water losses, excluding intakes for losses due to blowdown, drift, or evaporation.

- A narrative description of any physical or operational measures taken to minimize make-up withdraws.

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

**NOTE:** Do not complete a separate Worksheet 11.1 for a make-up CWIS.

2. Does the facility use or propose to use cooling towers?

☐ Yes      ☐ No

If **no**, proceed to Worksheet 11.2. If **yes**, provide the following information and proceed to Worksheet 11.2.

- Average number of cycles of concentration (COCs) prior to blowdown:

**Average COCs Prior to Blowdown**

Cooling Tower ID				
COCs				

- Attach COC monitoring data for each cooling tower from the previous year (a minimum of 12 months): [Click to enter text.](#)
- Maximum number of COCs each cooling tower can accomplish based on design of the system.

**Calculated COCs Prior to Blowdown**

Cooling Tower ID				
COCs				

- Describe conditions that may limit the number of COCs prior to blowdown, if any, including but not limited to permit conditions: [Click to enter text.](#)

b. 0.5 ft/s Through Screen Actual Velocity [40 CFR § 125.94(c)(3)]

Provide daily intake flow measurement monitoring data from the previous year (a minimum of 12 months) as an attachment and proceed to Worksheet 11.2.

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

c. Modified traveling screens [40 CFR § 125.94(c)(5)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the modified traveling screens and associated equipment.
2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods
3. Biological sampling data from the previous two years (a minimum of 24 months).

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

d. System of technologies [40 CFR § 125.94(c)(6)] or impingement mortality performance standard [40 CFR § 125.94(c)(7)]

Provide the following information as an attachment and proceed to Worksheet 11.2.

1. A description of the system of technologies used or proposed for use by the facility to

achieve compliance with the impingement mortality standard.

2. A site-specific impingement technology performance optimization study that includes a narrative description of the biological data collection methods.
3. Biological sampling data from the previous two years (a minimum of 24 months).

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

- e. De minimis rate of impingement [*40 CFR § 125.94(c)(11)*]

Provide the following information and proceed to Worksheet 11.2.

1. Attach monitoring data from the previous year (a minimum of 12 months) of intake flow measured at a frequency of 1/day on days of operation.

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

2. If the rate of impingement caused by the CWIS is extremely low (at an organism or age-one equivalent count), attach supplemental information to Worksheet 11.0, item 1.b.6. to support this determination.

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

- f. Low capacity utilization power-generation facilities [*40 CFR § 125.94(c)(12)*]

Attach monthly utilization data from the previous 2 years (a minimum of 24 months) for each operating unit and proceed to Worksheet 11.2.

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

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 11.2: SOURCE WATER BIOLOGICAL DATA

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** source waterbody of a CWIS for which a facility has selected an Impingement Mortality Technology Option described at *40 CFR §§ 125.94(c)(1)-(7)*.

Name of source waterbody: [Click to enter text.](#)

### Item 1. Species Management (Instructions, Page 109)

- a. The facility has obtained an incidental take permit for its cooling water intake structure(s) from the USFWS or the NMFS.

☐ Yes ☐ No

If yes, attach any information submitted in order to obtain that permit, which may be used to supplement the permit application information requirements of paragraph *40 CFR § 125.95(f)*.

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

- b. Is the facility requesting a waiver from application requirements at *40 CFR § 122.21(r)(4)* in accordance with *40 CFR § 125.95* for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent?

☐ Yes ☐ No

If **yes**, attach a copy of the most recent managed fisheries report to TPWD, or equivalent.

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

- c. There are no federally listed threatened or endangered species or critical habitat designations within the source water body.

☐ True ☐ False

### Item 2. Source Water Biological Data (Instructions, Page 109)

New Facilities (Phase I, Track I and II)

- Provide responses to all items in this section and stop.

Existing Facilities (Phase II)

- If the answer to **1.b.** above was **no**, provide responses to all items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **true**, do not complete any items in this section and proceed to Worksheet 11.3.
- If the answer to **1.b.** was **yes** and **1.c.** was **false**, attach a response for any item in this section that is not contained within the most recent TPWD, or equivalent and proceed to Worksheet 11.3.

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

- a. A list of the data requested at *40 CFR § 122.21(r)(4)(ii)* through (vi) that are not available, and efforts made to identify sources of the data.
- b. Provide a list of species (or relevant taxa) in the vicinity of the CWIS and identify the following information regarding each species listed.
  - all life stages and their relative abundance,
  - identification of all species and life stages that would be most susceptible to impingement and entrainment,
  - forage base,
  - significance to commercial fisheries,
  - significance to recreational fisheries,
  - primary period of reproduction,
  - larval recruitment, and
  - period of peak abundance for relevant taxa.
- c. Data representative of the seasonal and daily activities (e.g., feeding and water column migration) of biological organisms in the vicinity of the CWIS(s).
- d. Identify all threatened, endangered, and other protected species that might be susceptible to impingement and entrainment at the CWIS(s).
- e. Documentation of any public participation or consultation with federal or state agencies undertaken.

The following is required for existing facilities only. Include the following information with the above listed attachment.

- f. Identify any protective measures and stabilization activities that have been implemented and provide a description of how these measures and activities affected the baseline water condition in the vicinity of the intake.
- g. A list of fragile species, as defined at *40 CFR § 125.92(m)*, at the facility. The applicant need only identify those species not already identified as fragile at *40 CFR § 125.92(m)*.

**NOTE:** New units at an existing facility are not required to resubmit this information if the cooling water withdrawals for the operation of the new unit are from an existing intake.

# INDUSTRIAL WASTEWATER PERMIT APPLICATION

## WORKSHEET 11.3: ENTRAINMENT

This worksheet is **required** for all TPDES permit applications that **meet the conditions outlined in Technical Report 1.0, Item 12**. Complete one copy of this worksheet for **each** individual CWIS the facility uses or proposes to use.

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

### Item 1. Applicability (Instructions, Page 111)

Is the AIF of the CWIS identified above greater than, or equal to, 125 MGD?

☐ Yes ☐ No

- If **no** or the facility has selected **CCRS** [40 CFR § 125.94(c)(1)] for the impingement mortality compliance method, complete Item 2 and stop here.
- If **yes** and the facility is **seeking a waiver** from application requirements in accordance with 40 CFR § 125.95 for any CWIS(s) that withdraw from a man-made reservoir that is stocked and managed by a state or federal natural resources agency or the equivalent, complete item 2 and stop.
- If **yes** and the facility is **not seeking a waiver** from application requirements in accordance with 40 CFR § 125.95, complete item 2 and provide any required and completed studies listed in item 3. For any required studies in item 3 that are not complete, provide a detailed explanation for the delay and an anticipated schedule for completion and submittal.

### Item 2. Existing Entrainment Performance Studies (Instructions, Page 111)

Attach any previously conducted studies or studies obtained from other facilities addressing technology efficacy, through-facility entrainment survival, and other entrainment studies.

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

### Item 3. Facility Entrainment Performance Studies (Instructions, Page 111)

- Attach an entrainment characterization study, as described at 40 CFR § 122.21(r)(9): [Click to enter text.](#)
- Attach a comprehensive feasibility study, as described as 40 CFR § 122.21(r)(10): [Click to enter text.](#)
- Attach a benefits valuation study, as described as 40 CFR § 122.21(r)(11): [Click to enter text.](#)
- Attach a non-water quality environmental and other impacts study, as described as 40 CFR § 122.21(r)(12): [Click to enter text.](#)
- Attach a peer review analysis, as described as 40 CFR § 122.21(r)(13): [Click to enter text.](#)



# INDUSTRIAL WASTEWATER PERMIT APPLICATION WORKSHEET 12.0: OIL AND GAS EXPLORATION, DEVELOPMENT, AND PRODUCTION WASTEWATER DISCHARGES

This worksheet **is required** for all TPDES permit applications that are subject to Effluent Limitation Guidelines in 40 CFR Part 435.

## Item 1. Operational Information (Instructions, Page 112)

- a. Is the wastewater from an oil and gas exploration, development, or production facility located west of the 98th meridian?

☐ Yes      ☐ No

If yes, continue to the next question. If no, skip to Item 2 relating to Production/Process Data.

- b. Provide justification for how the wastewater is/will be used for agriculture or wildlife propagation.

Click to enter text.

## Item 2. Production/Process Data (Instructions, Page 112)

- a. Provide the applicable 40 CFR Part 435 Subpart(s).

Click to enter text.

- b. Describe if the permit being sought is for discharges from exploration, development, production, or for a combination of more than one of those activities.

Click to enter text.

c. Provide information on all waste-streams generated and specify which waste-streams you are requesting to be authorized for discharge.

Wastestreams Generated

Wastestream	Requesting authorization to discharge? (Yes/No)	Volume (MGD)	% of Total Flow

d. Describe how the facility will manage wastestreams for which discharge authorization is not being sought.

Click to enter text.

Attachment: Click to enter text.

e. Provide information on miscellaneous discharges.

Click to enter text.

Attachment: Click to enter text.

- f. List of chemicals that are in use, or will be used, downhole. Provide the category, concentration used/to be used, and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

**Chemicals List**

Category	Chemical Name	Concentration (include units)	Purpose

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

- g. List of chemicals that are in use, or will be used, to treat the wastewater to be discharged under this authorization. Provide the concentration used/to be used and purpose of using the chemical. Attach a safety data sheet for each chemical listed.

**Water Treatment Chemicals List**

Category	Chemical Name	Concentration (include units)	Purpose

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

### Item 3. Pollutant Analysis (Instructions, Page 113)

Tables 1, 2, 6, and 7 located in Worksheet 2.0 are required. In addition, Table 19 below is required and must be completed for each outfall and submitted with this application. The remaining tables in Worksheet 2.0, are required as applicable.

- a. Provide the date range of all sampling events conducted to obtain the analytical data submitted with this application (e.g., 05/01/2018-05/30/2018): [Click to enter text.](#)
- b. ☐ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- c. Read the general testing requirements in the instructions for important information about sampling, test methods, and MALs. If a contact laboratory was used, attach a list which includes the name, contact information, and pollutants analyzed for each laboratory/firm. **Attachment:** [Click to enter text.](#)
- d. Attach correspondence from TCEQ approving submittal of less than the required number of samples, if applicable. **Attachment:** [Click to enter text.](#)

Table 19 for Outfall No.: [Click to enter text.](#) Samples are (check one): ☐ Composite ☐ Grab

Pollutant	Sample 1 (mg/L)*	Sample 2 (mg/L)*	Sample 3 (mg/L)*	Sample 4 (mg/L)*
Calcium				
Potassium				
Sodium				

\*Indicate units if different from mg/L.

## Attachment 1

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### Core Data Form

**Note:** Updated number of employees onsite.



# 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

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input type="checkbox"/> Other	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 600835797		RN 102185824

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)			
<input type="checkbox"/> New Customer <input checked="" type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<b>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).</b>					
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
The Sabine Mining Company					
<b>7. TX SOS/CPA Filing Number</b>		<b>8. TX State Tax ID</b> (11 digits)		<b>9. Federal Tax ID</b> (9 digits)	
11269006		13110052936		311005293	
<b>10. DUNS Number</b> (if applicable)					
<b>11. Type of Customer:</b>		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>			
<input type="checkbox"/> 0-20 <input checked="" type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
<b>15. Mailing Address:</b>		6501 Farm Road 968 West			
City		Hallsville		State	TX
ZIP		75650		ZIP + 4	
<b>16. Country Mailing Information</b> (if outside USA)			<b>17. E-Mail Address</b> (if applicable)		
			josh.mcafee@nacoal.com		



<b>18. Telephone Number</b>	<b>19. Extension or Code</b>	<b>20. Fax Number (if applicable)</b>
( 903 ) 668-5501		( 903 ) 660-4202

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
<b>22. Regulated Entity Name</b> (Enter name of the site where the regulated action is taking place.)								
South Hallsville No. 1 Mine South Masrshall Area								
<b>23. Street Address of the Regulated Entity:</b>  (No PO Boxes)	6501 Farm Road 968 West							
	<b>City</b>	Hallsville	<b>State</b>	TX	<b>ZIP</b>	75650	<b>ZIP + 4</b>	
<b>24. County</b>	Harrison							

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

<b>25. Description to Physical Location:</b>								
<b>26. Nearest City</b>						<b>State</b>	<b>Nearest ZIP Code</b>	
<i>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).</i>								
<b>27. Latitude (N) In Decimal:</b>						<b>28. Longitude (W) In Decimal:</b>		
Degrees	Minutes		Seconds		Degrees	Minutes		Seconds
<b>29. Primary SIC Code</b>	<b>30. Secondary SIC Code</b>		<b>31. Primary NAICS Code</b>			<b>32. Secondary NAICS Code</b>		
(4 digits)	(4 digits)		(5 or 6 digits)			(5 or 6 digits)		
1221			212111					
<b>33. What is the Primary Business of this entity?</b> (Do not repeat the SIC or NAICS description.)								
Lignite Coal Mining Activities								
<b>34. Mailing Address:</b>	6501 Farm Road 968 West							
	<b>City</b>	Hallsville	<b>State</b>	TX	<b>ZIP</b>	75650	<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>	josh.mcafee@nacoal.com							
<b>36. Telephone Number</b>	<b>37. Extension or Code</b>				<b>38. Fax Number (if applicable)</b>			
( 903 ) 668-5501					( 903 ) 660-4204			

**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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:
	WQ0002538000			

## **SECTION IV: Preparer Information**

<b>40. Name:</b>	Sarah Zagurski		<b>41. Title:</b>	Associate Consultant
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>	
( 214 ) 263-4016		( ) -	sarah.zagurski@bsigroup.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.

<b>Company:</b>	The Sabine Mining Company		<b>Job Title:</b>	Environmental Manager	
<b>Name (In Print):</b>	Josh McAfee			<b>Phone:</b>	( 903 ) 668- 5501
				<b>Date:</b>	11/20/2025

## Attachment 2

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### Facility Map

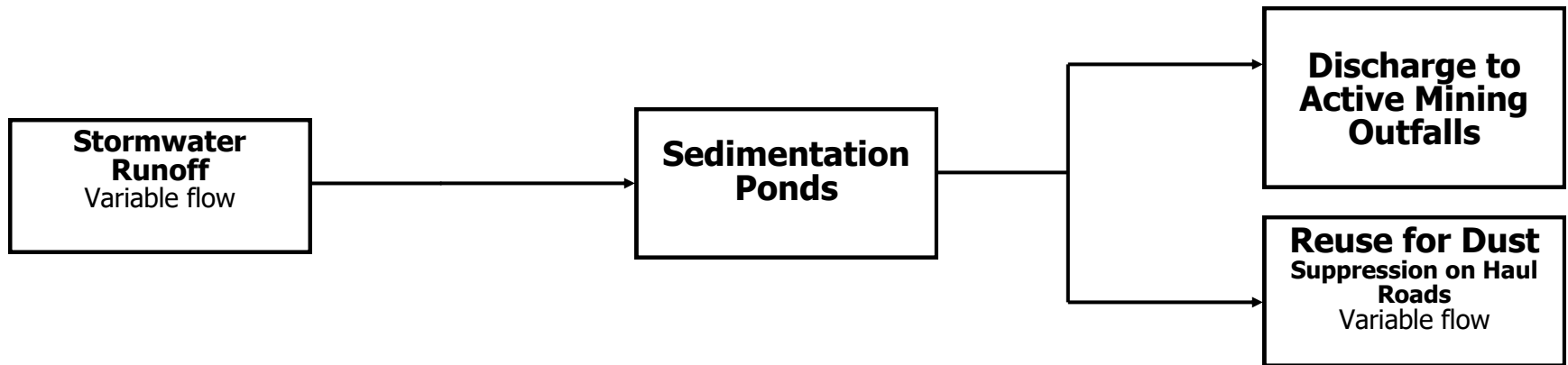


## Attachment 3

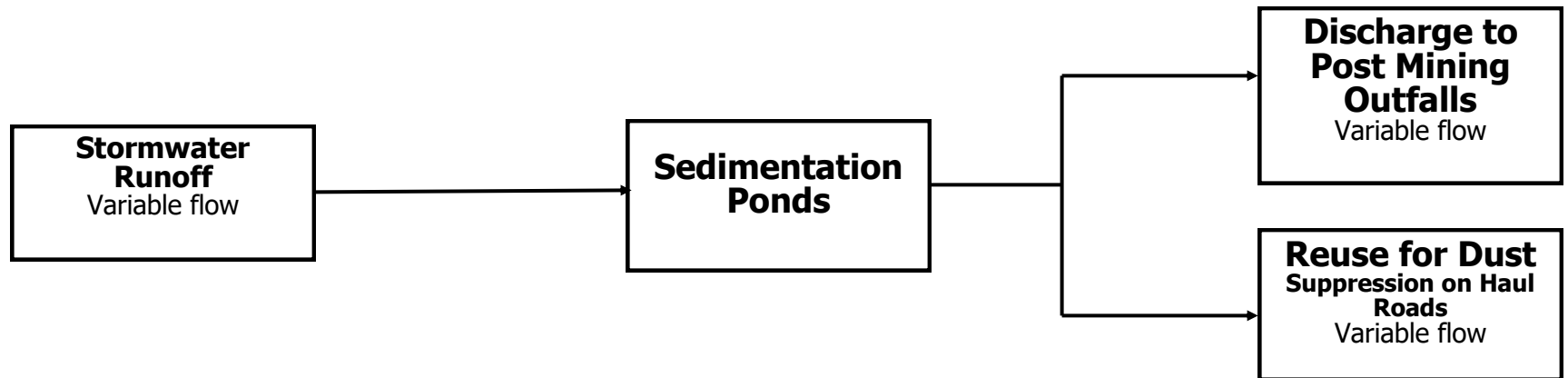
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### Flow Schematic with Water Balance

## Active Mining Area

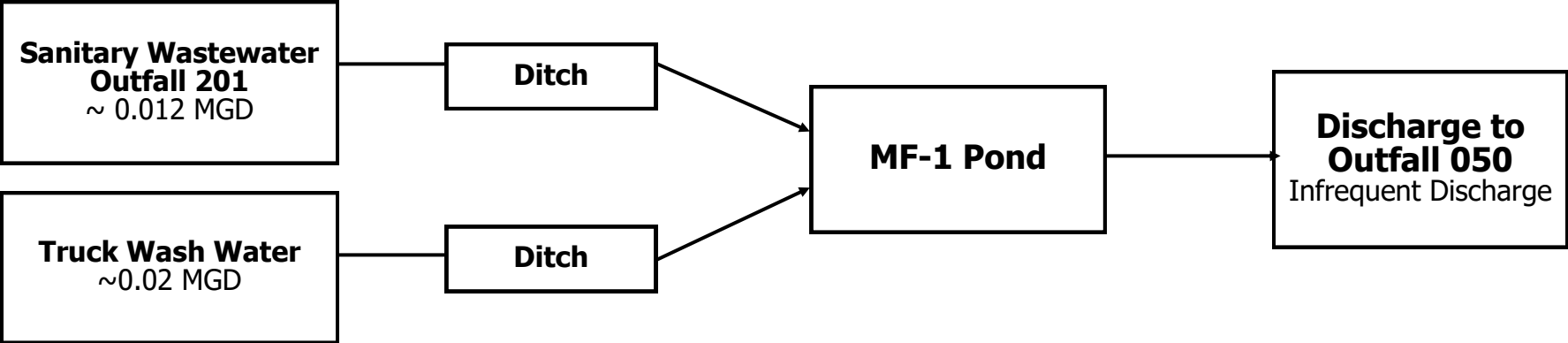


## Post Mining Area





**Sanitary Sewage Wastewater Flow Diagram**



## Attachment 4

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### Impoundment Table

ATTACHMENT 4 - IMPOUNDMENT INFORMATION TABLE

The Sabine Mining Company South Hallsville No. 1 Mine South Marshall Area																				
Active/ Post	Discharge Pond	Designation (T, D, C, E) <sup>1</sup>	Outfall Number	Latitude	Longitude	Liner Type (C, I, S, A)	Alt. Liner Attachment Reference	Leak Detection System (Y/N)	Groundwater Monitoring Wells (Y/N)	Groundwater Monitoring Data Attachment	Pond Bottom Located Above the Seasonal High Water Table (Y/N)	Length (ft)	Width (ft)	Depth from Natural Ground Level	Freeboard (ft)	Surface Area (acres)	Storage Capacity (acre-ft)	40 CFR Part 257, Subpart D (Y/N)	Date of Construction	Immediate Receiving Water
South Hallsville No. 1 Mine - South Marshall Area																				
Post	Brandy Branch	C	001	32°23.968	94°28.567	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	158.4	611.9	NA	11/16/2001	Brandy Branch
Post	Spring Creek A	C	002	32°24.566	94°26.990	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	129.7	651.3	NA	11/26/2003	Spring Creek
Post	M2	C	003	32°24.662	94°29.914	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	21.0	40.2	NA	2/16/2000	Hatley Creek
Post	M3	C	004	32°24.205	94°30.069	None	NA	NA	NA	NA	NA	NA	NA	36.0	NA	8.1	39.5	NA	1/7/2011	Hatley Creek
Post	M4	C	005	32°23.883	94°29.834	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	16	73.6	NA	2/22/2008	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	M5A	C	006	32°23.708	94°29.427	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.7	14.3	NA	1/24/2009	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	M5B Lower	C	007	32°23.515	94°29.044	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	7.1	49.3	NA	1/24/2009	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	R1A	C	011	32°26.329	94°23.795	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	7.3	70.9	NA	10/22/2015	Roseborough Creek
Post	R2A	C	013	32°26.947	94°24.119	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.4	12.6	NA	10/22/2015	Roseborough Creek
Post	R2B	C	014	32° 26.871	94°24.127	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.3	13.7	NA	10/22/2015	Roseborough Creek
Active	N2	C	018	32°27.434	94°25.966	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	194.0	694.1	NA	2/3/2020	Potters Creek
Post	Q10	C	019	32°28.495	94°21.626	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	275.0	86.0	NA	1/23/2016	Eightmile Creek
Post	A11	C	021	32°26.686	94°30.368	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	5.0	24.5	NA	3/16/2011	Hatley Creek
Post	A4	C	022	32°27.343	94°30.890	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.8	15.4	NA	9/25/1984	Hatley Creek
Post	A5	C	023	32°27.081	94°30.779	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	13.1	68.5	NA	9/25/1984	Hatley Creek
Post	B12	C	024	32°25.605	94°31.495	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	35.7	180.0	NA	9/17/1987	Clarks Creek
Post	C8	C	031	32°27.866	94°30.982	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	23.9	240.0	NA	3/28/2002	Hatley Creek
Post	E2	C	038	32°25.907	94°34.074	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	23.7	116.4	NA	2/14/1994	Clarks Creek
Post	K4	C	044	32°26.495	94°30.478	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	4.1	20.0	NA	12/17/1997	Hatley Creek
Post	K5	C	045	32°26.230	94°30.418	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	6.8	47.2	NA	11/25/1997	Hatley Creek
Post	M1B	C	048	32°24.985	94°29.998	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	10.6	86.9	NA	1/5/1999	Hatley Creek
Post	MF-1	C	050	32°27.884	94°31.113	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	2.5	11.1	NA	9/16/1983	Hatley Creek
Post	Q1 South	C	052	32°26.755	94°25.278	None	NA	NA	NA	NA	NA	NA	NA	5.4	NA	3.9	74.9	NA	12/5/2006	Starkey Creek
Post	S1	C	053	32°24.659	94°23.327	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.2	194.0	NA	10/31/2000	Potters Creek
Post	S2	C	054	32°23.920	94°22.796	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	1.9	105.2	NA	7/20/2001	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	S6	C	058	32°24.746	94°20.876	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	16.8	98.7	NA	9/23/2004	Colliers Creek
Post	S6A	C	059	32°24.943	94°20.801	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.0	17.0	NA	12/22/2005	Colliers Creek

<sup>1</sup> Use Designation: "T" for treatment, "D" for disposal, "C" containment, or "E" for evaporation.

## Attachment 5

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### Outfall Disposal Method

ATTACHMENT 5 - OUTFALL/DISPOSAL METHOD INFORMATION																								
The Sabine Mining Company South Hallsville No. 1 Mine South Marshall Area																								
Active/ Post	Discharge Pond	Outfall Number	Outfall Latitude and Longitude						Location Description	Description of Sampling Points	Outfall Flow Information - Permitted and Proposed				Outfall Discharge - Method and Measurement			Outfall Discharge - Flow Characteristics						
			Latitude			Longitude					Permitted Daily Average Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Average Flow (MGD)	Proposed Daily Maximum Flow (MGD)	Pumped Discharge? (Y/N)	Gravity Discharge? (Y/N)	Type of Flow Measurement Device Used	Intermittent Discharge? (Y/N)	Seasonal Discharge? (Y/N)	Continuous Discharge? (Y/N)	Discharge Duration (hours/day)	Discharge Duration (days/month)	Discharge Duration (months/year)	
			Deg.	Min.	Sec.	Deg.	Min.	Sec.																
South Hallsville No. 1 Mine - South Marshall Area																								
Post	Brandy Branch	001	32	23	58.08	94	28	37.02	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Spring Creek	002	32	24	33.96	94	26	59.40	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M2	003	32	24	39.72	94	29	54.84	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M3	004	32	24	12.30	94	30	4.14	P	Same, P	Variable	Variable	Variable	Variable	Y	N	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M4	005	32	23	52.98	94	29	50.04	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M5A	006	32	23	42.48	94	29	25.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M5B Upper	008	32	23	45.42	94	28	37.32	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R1A	011	32	26	19.74	94	23	47.70	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R2A	013	32	26	56.82	94	24	7.14	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R2B	014	32	26	52.26	94	24	7.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Active	N2	018	32	27	26.04	94	25	57.96	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Q10	019	32	28	29.70	94	21	37.56	P	Same, P	Variable	Variable	Variable	Variable	Y	N	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A11	021	32	26	41.16	94	30	22.08	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A4	022	32	27	20.58	94	30	53.40	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A5	023	32	27	4.86	94	30	46.74	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	B12	024	32	25	36.30	94	31	29.70	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	C8	031	32	27	51.96	94	30	58.92	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	E2	038	32	27	31.98	94	34	4.44	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	K4	044	32	26	4.44	94	30	28.68	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	K5	045	32	26	13.80	94	30	25.08	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M1B	048	32	25	3.51	94	30	0.96	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	MF-1	050	32	27	53.04	94	31	6.78	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Q1 South	052	32	26	45.30	94	25	16.68	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S1	053	32	24	39.54	94	23	19.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S2	054	32	23	55.20	94	22	47.76	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S6	058	32	24	44.76	94	20	52.56	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S6A	059	32	24	56.58	94	20	48.06	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Domestic Wastewater Outfall																								
Treatment Plant		201	32	27	56	94	31	10.02	D	Same, D	0.006	0.012	0.006	0.012	N	Y	Meter, Weir	N	N	Y	24	30	12	

P - South Marshall Area Post Mining area within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).

A - South Marshall Area Active Mining area within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).

D - Domestic wastewater discharge within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).

## Attachment 6

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### Laboratory Data

**Note:** Remaining laboratory and sample result data will be submitted once samples are collected and results are received. Due to the large size of the impoundments, the variable flow to the impoundments (seasonal weather and rainfall), and unpredictable nature (timing and duration) of the discharge from the outfalls, samples will be collected as soon as possible.



**Attachment 6 - The Sabine Mining Company**  
**6501 FM 968 W, Hallsville, Texas**

**Wastewater Permit Renewal Discharge Analytics**  
**South Marshall Area**  
**TPDES Permit No. WQ0002538000**

<b>TABLE 1:</b>	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (mg/L)</b>					
<b>Pollutants</b>		<b>Outfall 001 (Brandy Branch)</b>	<b>Outfall 018 (N2)</b>	<b>Outfall 009 (Q4)</b>	<b>Outfall 031 (C8)</b>	<b>Outfall 053 (S1)</b>	
BOD (5-day)		TBD	TBD	TBD	TBD	TBD	
CBOD (5-day)		TBD	TBD	TBD	TBD	TBD	
Chemical Oxygen Demand		TBD	TBD	TBD	TBD	TBD	
Total Organic Carbon		TBD	TBD	TBD	TBD	TBD	
Dissolved Oxygen		TBD	TBD	TBD	TBD	TBD	
Ammonia Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Suspended Solids		TBD	TBD	TBD	TBD	TBD	
Nitrate Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Organic Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Phosphorus		TBD	TBD	TBD	TBD	TBD	
Oil and Grease		TBD	TBD	TBD	TBD	TBD	
Total Residual Chlorine		TBD	TBD	TBD	TBD	TBD	
Total Dissolved Solids		TBD	TBD	TBD	TBD	TBD	
Sulfate		TBD	TBD	TBD	TBD	TBD	
Chloride		TBD	TBD	TBD	TBD	TBD	
Fluoride		TBD	TBD	TBD	TBD	TBD	
Temperature (°C)		TBD	TBD	TBD	TBD	TBD	
Total Alkalinity (mg/L as CaCO <sub>3</sub> )		TBD	TBD	TBD	TBD	TBD	
pH (Standard Units; min/max)		TBD	TBD	TBD	TBD	TBD	
<b>TABLE 2:</b>	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (µg/L)</b>					
<b>Pollutants</b>		<b>Outfall 001 (Brandy Branch)</b>	<b>Outfall 018 (N2)</b>	<b>Outfall 009 (Q4)</b>	<b>Outfall 031 (C8)</b>	<b>Outfall 053 (S1)</b>	<b>MAL<sup>1</sup> (µg/l)</b>
Total Aluminum		TBD	TBD	TBD	TBD	TBD	2.5
Total Antimony		TBD	TBD	TBD	TBD	TBD	5
Total Arsenic		TBD	TBD	TBD	TBD	TBD	0.5
Total Barium		TBD	TBD	TBD	TBD	TBD	3
Total Beryllium		TBD	TBD	TBD	TBD	TBD	0.5
Total Cadmium		TBD	TBD	TBD	TBD	TBD	1
Total Chromium		TBD	TBD	TBD	TBD	TBD	3
Hexavalent Chromium		TBD	TBD	TBD	TBD	TBD	3
Trivalent Chromium		TBD	TBD	TBD	TBD	TBD	N/A
Total Copper		TBD	TBD	TBD	TBD	TBD	2
Cyanide, available		TBD	TBD	TBD	TBD	TBD	2/10
Total Lead		TBD	TBD	TBD	TBD	TBD	0.5
Total Mercury		TBD	TBD	TBD	TBD	TBD	0.005/0.0005
Total Nickel		TBD	TBD	TBD	TBD	TBD	2
Total Selenium		TBD	TBD	TBD	TBD	TBD	5
Total Silver		TBD	TBD	TBD	TBD	TBD	0.5
Total Thallium		TBD	TBD	TBD	TBD	TBD	0.5
Total Zinc		TBD	TBD	TBD	TBD	TBD	5.0

<sup>1</sup> MAL - Minimum Analytical Level

**Attachment 6 - The Sabine Mining Company**  
**6501 FM 968 W, Hallsville, Texas**

**Wastewater Permit Renewal Discharge Analytics**  
**South Marshall Area**  
**TPDES Permit No. WQ0002538000**

<b>TABLE 4: <u>Outfall 201</u></b> <input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (mg/L)</b>					<b>MAL<sup>1</sup> (µg/l)</b>
Pollutants	Month 1	Month 2	Month 3	Month 4		N/A
<i>E. coli</i> (cfu or MPN/100 mL)	Non-Detect	2.000	Non-Detect	Non-Detect		N/A

TABLE 6:	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	Effluent Concentration (mg/l) <sup>1</sup>					
Pollutants	Outfall 001 (Brandy Branch)	Outfall 002 (Spring Creek)	Outfall 009 (Q4)	Outfall 031 (C8)	Outfall 053 (S1)	MAL (µg/l)	
Bromide	TBD	TBD	TBD	TBD	TBD	400	
Color (PCU)	TBD	TBD	TBD	TBD	TBD	-	
Nitrate-Nitrite (as N)	TBD	TBD	TBD	TBD	TBD	-	
Sulfide (as S)	TBD	TBD	TBD	TBD	TBD	-	
Sulfite (as SO <sub>3</sub> )	TBD	TBD	TBD	TBD	TBD	-	
Surfactants	TBD	TBD	TBD	TBD	TBD	-	
Total Boron	TBD	TBD	TBD	TBD	TBD	20	
Total Cobalt	TBD	TBD	TBD	TBD	TBD	0.3	
Total Iron	TBD	TBD	TBD	TBD	TBD	7	
Total Magnesium	TBD	TBD	TBD	TBD	TBD	20	
Total Manganese	TBD	TBD	TBD	TBD	TBD	0.5	
Total Molybdenum	TBD	TBD	TBD	TBD	TBD	1	
Total Tin	TBD	TBD	TBD	TBD	TBD	5	
Total Titanium	TBD	TBD	TBD	TBD	TBD	30	

<sup>1</sup> Color is measured in PtCo Units

Note: Per correspondance with TCEQ, only one sample was required per respresentaitve active and post mining Outfalls. Other outfalls were not required to be sampled (see Attachment 7).



## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A506086-01	Water	03-Jun-25 09:30
Sabine - Effluent - 001	A506087-01	Water	03-Jun-25 09:30
Sabine - A - Basin	A506087-02	Water	03-Jun-25 09:30
Sabine - Effluent - 001	A506196-01	Water	10-Jun-25 09:30
Sabine - A - Basin	A506196-02	Water	10-Jun-25 09:30
Sabine - Effluent - 001	A506288-01	Water	17-Jun-25 09:30
Sabine - A - Basin	A506288-02	Water	17-Jun-25 09:30
Sabine - Effluent - 001	A506375-01	Water	24-Jun-25 09:30
Sabine - A - Basin	A506375-02	Water	24-Jun-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
30-Jun-25 11:52

**A506086-01 (Water) Sabine - Effluent - 001 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	ND	1.00	MPN/100 ml	2523033	6/3/25 14:00	19223BColil	

**A506087-01 (Water) Sabine - Effluent - 001 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2523028	6/3/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2523008	6/3/25 15:20	SM 5210B	
Total Suspended Solids	6.50	1.00	mg/L	2523005	6/3/25 14:20	SM 2540 D	
Field Dissolved Oxygen	6.4		mg/L	2523028	6/3/25 9:30	SM45000 C	

**A506087-02 (Water) Sabine - A - Basin 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLSS (No Certification)	1400		mg/L	2523053	6/5/25 12:45	SM 2540 D	
MLVS (No Certification)	960		mg/L	2523053	6/5/25 12:45	SM 2540 E	

**A506196-01 (Water) Sabine - Effluent - 001 6/10/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2524013	6/10/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2523046	6/10/25 15:45	SM 5210B	
Total Suspended Solids	5.80	1.00	mg/L	2523043	6/10/25 14:05	SM 2540 D	



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
30-Jun-25 11:52

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
SUB Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6601 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 803-650-4200

Fax: 3-660-3665

Project Number: Project Description:

Sample Identification Location Date Time Matrix Grid/Comp Used Preservative No. Contain. Pkg.

Effluent - 001

6/3/25

0930

npw

G

Y

Cool

1

P

X

BOD5, TSS

MLSS/MLVS

ECOLI

Comments

506087-01

↓ -02

506086

A-Basin

npw

G

Y

Cool

1

P

X

BOD5, TSS

MLSS/MLVS

ECOLI

Comments

506087-01

↓ -02

506086

Effluent - 001

6/3/25

0930

npw

G

Y

Sterile/Thio

1

P

X

BOD5, TSS

MLSS/MLVS

ECOLI

Comments

506087-01

↓ -02

506086

Samples Collected By (Signature):

Client

AWWS

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

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Date/Time:

6/3/25

Relinquished By:

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Relinquished By:

Relinquished By:

Relinquished By:

Laboratory Chain-of-Custody

A W W S, INC.

Analytical Water and Wastewater Services, Inc.

695 Shady Ln, Hallsville, TX 75650; Phone (803) 668-4133; Fax (803) 668-1085

AWWSInc@gmail.com

Analyses Requested

Comments:

Ph 8.1 dup 8.1

DO 6.4 dup 6.4

AWWS CQC Rev 3 Effective 10/1/24

pg.1 of 1

issued by AWWWS, Inc

Sample Received on Ice? Yes ☒ No ☐ Therm ID: #5 Nubee

Cooler/Sample Secure? Yes ☒ No ☐

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:





## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A507054-01	Water	01-Jul-25 09:30
Sabine - Effluent - 001	A507055-01	Water	01-Jul-25 09:30
Sabine - A - Basin	A507055-02	Water	01-Jul-25 09:30
Sabine - Effluent - 001	A507169-01	Water	08-Jul-25 09:30
Sabine - A - Basin	A507169-02	Water	08-Jul-25 09:30
Sabine - Effluent - 001	A507263-01	Water	15-Jul-25 09:30
Sabine - A - Basin	A507263-02	Water	15-Jul-25 09:30
Sabine - Effluent - 001	A507351-01	Water	22-Jul-25 09:30
Sabine - A - Basin	A507351-02	Water	22-Jul-25 09:30
Sabine - Effluent - 001	A507437-01	Water	29-Jul-25 09:30
Sabine - A - Basin	A507437-02	Water	29-Jul-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas. 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
04-Aug-25 08:52

**A507054-01 (Water) Sabine - Effluent - 001 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	2.00	1.00	MPN/100 ml	2527025	7/1/25 14:10	I9223BColii	

**A507055-01 (Water) Sabine - Effluent - 001 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	7.90		pH Units	2527023	7/1/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	7.90	2.00	mg/L	2527007	7/1/25 15:25	SM 5210B	
Total Suspended Solids	4.50	1.00	mg/L	2527004	7/1/25 14:05	SM 2540 D	
Field Dissolved Oxygen	3.7		mg/L	2527023	7/1/25 9:30	SM4500O G	

**A507055-02 (Water) Sabine - A - Basin 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLSS (No Certification)	47.0		mg/L	2527035	7/3/25 12:00	SM 2540 D	
MLVS (No Certification)	35.0		mg/L	2527035	7/3/25 12:00	SM 2540 E	

**A507169-01 (Water) Sabine - Effluent - 001 7/8/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.20		pH Units	2528024	7/8/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	2.60	2.00	mg/L	2528007	7/8/25 15:25	SM 5210B	
Total Suspended Solids	9.00	1.00	mg/L	2528004	7/8/25 14:05	SM 2540 D	



### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6501 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 800-660-4200

Fax: 3-660-3665

AWWS Project Manager:

Laboratory Chain-of-Custody  
AWWS, INC.

Analytical Water and Wastewater Services, Inc.

665 Shady Ln, Hallsville, TX 75650, Phone (800) 660-4133, Fax (800) 668-1095



Project Number:

Project Description:

AWWS Project Manager:

Sample Identification Location

Date

Time

Matrix

Grav/Comp

Y/N

Preservative

No. Conts

Pig

BOD5, TSS

MLSS/MLVS

Ecoli

Comments

Effluent - 001

7/1/25

0930

npw

G

Y

Cool

1

P

X

X

X

507055-01

A-Basin

npw

G

Y

Cool

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

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Sterile/Thio

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507054

Effluent - 001

npw

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Y

Sterile/Thio

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507054

Effluent - 001

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Effluent - 001

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507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

507054

Method of Shipment:

AWWS, Veh.

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

Date/Time:

7/1/25

1400

Logged in at AWWS Laboratory By:

Joshua B. Burdette

Comments:

Ph 7.9 dup 7.9

DO 3.7 dup 3.7

AWWS COC Rev 3 Effective 10/1/24

pg. 1 of 1

Issued by AWWS, Inc

AWWS, Inc



### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A508094-01	Water	05-Aug-25 09:30
Sabine - Effluent - 001	A508095-01	Water	05-Aug-25 09:30
Sabine - A - Basin	A508095-02	Water	05-Aug-25 09:30
Sabine - Effluent - 001	A508204-01	Water	12-Aug-25 09:30
Sabine - A - Basin	A508204-02	Water	12-Aug-25 09:30
Sabine - Effluent - 001	A508294-01	Water	19-Aug-25 09:30
Sabine - A - Basin	A508294-02	Water	19-Aug-25 09:30
Sabine - Effluent - 001	A508382-01	Water	26-Aug-25 09:30
Sabine - A - Basin	A508382-02	Water	26-Aug-25 09:30

---

Linda Burditt, Lab Office Assistant



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
02-Sep-25 12:54

**A508094-01 (Water) Sabine - Effluent - 001 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	ND	1.00	MPN/100 ml	2532025	8/5/25 14:00	49223BColil	

**A508095-01 (Water) Sabine - Effluent - 001 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.00		pH Units	2532021	8/5/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2532007	8/5/25 15:45	SM 5210B	
Total Suspended Solids	2.70	1.00	mg/L	2532004	8/5/25 14:05	SM 2540 D	
Field Dissolved Oxygen	5.7		mg/L	2532021	8/5/25 9:30	SM4500O G	

**A508095-02 (Water) Sabine - A - Basin 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLVS (No Certification)	800		mg/L	2533012	8/8/25 14:15	SM 2540 E	
MLSS (No Certification)	1140		mg/L	2533012	8/8/25 14:15	SM 2540 D	

**A508204-01 (Water) Sabine - Effluent - 001 8/12/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2533024	8/12/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2533007	8/12/25 15:15	SM 5210B	
Total Suspended Solids	4.70	1.00	mg/L	2533004	8/12/25 14:10	SM 2540 D	





### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6501 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 903-650-4200

Fax: 3-650-3665

AWWS Project Manager:

Analytical Water and Wastewater Services, Inc.  
895 Shady Ln. Hallsville, TX 75650. Phone (903) 650-4133, Fax (903) 658-1095



Laboratory Chair-of-Custody

A W W S, INC.

Analyses Requested

Project Number:

AWWS Project Manager:

Sample Identification/Location:

Effluent - 001

Date: 8/5/25

Time: 0930

Method: npw

Grab/Comp: G

Y/N: Y

Preservative: Cool

No. Conts: 1

P/G: P

X

BOD5, TSS

MLSS/MLVS

Ecoli

Comments

508095-01

↓ -0.2

Effluent - 001

Method: npw

Grab/Comp: G

Y/N: Y

Preservative: Cool

No. Conts: 1

P/G: P

X

508094

Samples Collected By (Signature):

Client

AWWS

Relinquished By:

AWWS

Relinquished By:

Relinquished By:

AWWS

Relinquished By:

Date/Time:

8/5/25

Received By:

Josh Buckle

Comments:

Ph 8.0 dup 8.0  
DO 8.7 dup 5.7

Relinquished By:

Date/Time:

8/5/25 1400

Logged in at AWWS Laboratory By:

Josh Buckle

Sample Received on Ice?

Yes

No

Temp

3.9

Cooler/Sample Secure?

Yes

No

Therm ID: #5

Nubee

AWWS CDC Rev 3 Effective 10/1/24

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A509086-01	Water	02-Sep-25 09:30
Sabine - A - Basin	A509086-02	Water	02-Sep-25 09:30
Sabine - Effluent - 001	A509195-01	Water	09-Sep-25 09:30
Sabine - A - Basin	A509195-02	Water	09-Sep-25 06:30
Sabine - Effluent - 001	A509286-01	Water	16-Sep-25 09:30
Sabine - A - Basin	A509286-02	Water	16-Sep-25 09:30
Sabine - Effluent - 001	A509387-01	Water	23-Sep-25 09:30
Sabine - A - Basin	A509387-02	Water	23-Sep-25 09:30
Sabine - Effluent - 001	A509455-01	Water	30-Sep-25 09:30
Sabine - A - Basin	A509455-02	Water	30-Sep-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
06-Oct-25 09:44

**A509086-01 (Water) Sabine - Effluent - 001 9/2/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2536043	9/2/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	5.20	2.00	mg/L	2536007	9/7/25 15:25	SM 5210B	
Total Suspended Solids	4.30	1.00	mg/L	2536004	9/2/25 14:05	SM 2540 D	
Field Dissolved Oxygen	5.7		mg/L	2536043	9/2/25 9:30	SM4500O G	

**A509086-02 (Water) Sabine - A - Basin 9/2/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLVS (No Certification)	900		mg/L	2536050	9/5/25 12:10	SM 2540 E	
MLSS (No Certification)	1280		mg/L	2536050	9/5/25 12:10	SM 2540 D	

**A509195-01 (Water) Sabine - Effluent - 001 9/9/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	7.80		pH Units	2537024	9/9/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	4.10	2.00	mg/L	2537007	9/14/25 16:25	SM 5210B	
Total Suspended Solids	2.90	1.00	mg/L	2537004	9/9/25 14:15	SM 2540 D	
Field Dissolved Oxygen	2.5		mg/L	2537024	9/9/25 9:30	SM4500O G	
E. Coli	ND	1.00	MPN/100 ml	2537031	9/9/25 14:00	19223BColil	

AWWS



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report

Project Number: [none]

Project Manager: Sabine Mine (North American Coal)

Reported:

06-Oct-25 09:44

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWW's is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWW's, Inc. gives permission to do so.







## Attachment 7

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### TCEQ Correspondance



November 5, 2025

Thomas Starr  
Wastewater Permitting, Industrial Permits, MC-148  
Texas Commission on Environmental Quality  
12100 Park 35 Circle  
Austin TX 78753

**Re: Industrial Wastewater Permit Renewal Application; The Sabine Mining Company – South Hallsville No. 1 Mine – South Marshall Area  
6501 Farm Road 968 West Hallsville, Texas 75650  
TPDES Permit No. WQ0002538000  
CN600835797, RN102185824**

Dear Thomas Starr:

On behalf of The Sabine Mining Company (Sabine Mine), BSI America Professional Services (BSI) is requesting concurrence with reduced sampling requirements for Sabine Mine's renewal application of Texas Pollutant Discharge Elimination System (TPDES) Industrial Wastewater Permit No. WQ0002538000 for the South Hallsville No. 1 Mine – South Marshall Area facility. The mining operations covered under this permit are located in Harrison County, Texas.

During the 2010, 2015, and 2020 permit application process, the Texas Commission on Environmental Quality (TCEQ) agreed to reduced sampling requirements during the permit application process. Specifically, the TCEQ agreed to allow for sampling representative, substantially similar outfalls at a reduced frequency (one sample from one discharge event per outfall rather than four samples from each outfall over four consecutive weeks) for the permit renewal application. Reduced sampling is justified because the size of the ponds and the predominance of stormwater collected in the ponds allow for little variability in the quality and constituents in the water. Historically, Sabine Mine has sampled representative active mining ponds receiving substantially similar wastewater and post mining ponds receiving substantially similar water.

The current wastewater permit issued on June 4, 2021, contains "Other Requirement" 5, which provides for representative sampling of substantially identical outfalls in accordance with 40 Code of Federal Regulation (CFR) §122.21(g)(7). However, it does not make reference or provide guidance for the reduced frequency. As such, Sabine Mine proposes sampling according to the following table to fulfill the effluent water quality data requirements in "Worksheet 2.0: Pollutant Analysis" of the Technical Report and requests the TCEQ's concurrence to include with Worksheet 2.0.

Sabine Mine also requests concurrence to sample Outfall 201 from the sanitary sewer wastewater treatment plant for *E. coli* according to Table 4.c of the Technical Report. Sabine Mine proposes to collect *E. coli* samples from Outfall 201 once per month for four consecutive months. Outfall 201 does not discharge wastewater from the activities listed in Table 4.a and does not discharge into saltwater, which would then require sampling for *Enterococci*. Outfall 201 discharges from the sanitary wastewater treatment system into the MF-1 pond and then through Outfall 050, which periodically discharges through Hatley Creek.

Tables 3, 5, 12, and 13 and Tables 8, 9, 10, 11 (as indicated in Table 7) are not applicable to the facility or its operations.

### Proposed Sampling

Outfall Number	Impoundment Name	Status	Tables	Frequency
018	N2	Active mining (only currently active outfall)	1, 2, and 6	Once
001	Brandy Branch	Post mining	1, 2, and 6	Once
031	C8	Post mining	1, 2, and 6	Once
053	S1	Post mining	1, 2, and 6	Once
201	Treatment Plant	Not applicable – sanitary sewer	Table 4.c for <i>E. Coli</i>	Once per month for four consecutive months

Due to the large size of the impoundments, the variable flow to the impoundments (seasonal weather and rainfall), and unpredictable nature (timing and duration) of the discharge from the outfalls, samples will be collected as soon as possible after concurrence is received. However, it should be noted that some or all of the impoundments might not be able to be sampled until after the permit application is submitted.

Sabine Mine is requesting the TCEQ's concurrence that the sampling and analysis strategy presented above will be acceptable to the TCEQ and meet the intent and requirements of Worksheet 2.0 of the Technical Report and that no additional sampling or analysis will be required.

Please reach out to Sarah Zagurski at [sarah.zagurski@bsigroup.com](mailto:sarah.zagurski@bsigroup.com)/214.263.4016 or Josh McAfee at [josh.mcafee@nacoal.com](mailto:josh.mcafee@nacoal.com)/903.668.5501.

Regards,

***Sarah Zagurski***

Sarah Zagurski, PG  
Associate Consultant

cc: Josh McAfee, Sabine Mine  
Angela Martin, Sabine Mine

Reviewed by:

***Eric Knight***

Eric Knight, PE  
Senior Consultant

**From:** [Thomas Starr](#)  
**To:** [Sarah Zagurski](#)  
**Cc:** [McAfee, Josh](#); [Martin, Angela](#)  
**Subject:** RE: Sabine Mine TPDES Renewal Sampling Request Letter - S Marshall Area  
**Date:** Monday, November 10, 2025 10:19:16 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)

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**\* This message originated from outside of BSI. Please treat hyperlinks, attachments and instructions in this email with caution. \***

Sarah,

I concur with your sampling approach.

Thomas

Sincerely,

Thomas E. Starr, P.E.

Permit Writer  
Water Quality Division  
Wastewater Permitting, Industrial Permits  
Texas Commission on Environmental Quality  
12100 Park 35 Circle, Bldg F, Room 2101  
Phone: 512-239-4570



[Customer Satisfaction Survey](#)

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**From:** Sarah Zagurski <Sarah.Zagurski@bsigroup.com>  
**Sent:** Wednesday, November 5, 2025 4:09 PM  
**To:** Thomas Starr <Thomas.Starr@Tceq.Texas.Gov>  
**Cc:** McAfee, Josh <josh.mcafee@nacoal.com>; Martin, Angela <angela.martin@nacoal.com>  
**Subject:** Sabine Mine TPDES Renewal Sampling Request Letter - S Marshall Area

Hi Thomas,

Please see the attached letter requesting reduced sampling for the upcoming TPDES application for permit WQ0002538000.

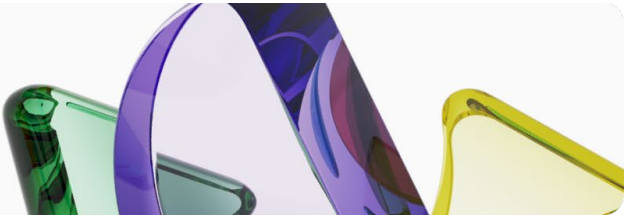
Please let me know if you have any questions.

Thanks!

**Sarah Zagurski, PG**  
Associate Consultant  
Dallas-Fort Worth Metroplex  
C: 214 263 4016  
[Sarah.Zagurski@bsigroup.com](mailto:Sarah.Zagurski@bsigroup.com)



Your partner  
in progress



## Attachment 8

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### Sludge Plant Contract



Legal Requirements. Contractor agrees to comply with all local, state and federal laws, including safety and health standards imposed by the Mine Safety Health Administration, applicable to persons employed by Contractor. Contractor shall provide any necessary safety equipment needed by its employees to perform the work contemplated by this purchase order safely.

Insurance Requirements. Contractor shall obtain and maintain until the work is completed, insurance of the following types and amounts:

(i) Workers' Compensation Insurance – Workers' compensation insurance for all of Contractor's employees performing the work.

(ii) General Liability Insurance – Such insurance shall have minimum limits of \$1,000,000 per occurrence/\$2,000,000 annual aggregate for bodily injury and property damage.

(iii) Automobile Vehicle Liability Insurance – Automobile vehicle insurance shall cover all owned, non-owned, hired and rented automobiles, including any Company vehicles, used in the performance of the work. Such insurance shall have a limit of not less than \$1,000,000 on a combined single limit basis for bodily injury and property damage liability.

Contractor shall not begin performing Work until Contractor has furnished to Company a certificate(s) of insurance evidencing the insurance described above. Such certificate(s) shall name Company as an additional insured or loss payee, as applicable.

Independent Contractor/Taxes. Commencing on the Effective Date, Contractor will at all times be and remain an independent contractor and shall not be deemed an agent or authorized representative of Company. Contractor will be free to exercise its own judgment as to the manner and method of providing the Work to the Company, subject to applicable laws and requirements reasonably imposed by the Company and provided that the Company shall be permitted to oversee and inspect Contractor's work. Contractor acknowledges and agrees that, as an independent contractor, it will be required to pay any applicable taxes on the compensation paid by Company and that Company shall not withhold any taxes on such compensation or be responsible for the payment thereof.

Indemnification; Waiver. Contractor agrees to defend, indemnify and save harmless Company from any and all claims, liability, damage or loss to persons or property arising out of or in any way connected with the performance of the work contemplated by this purchase order. Furthermore, Contractor shall defend, indemnify and save harmless Company against all liability for personal injuries, including death resulting therefrom, and against all liability for property damages sustained by any other person or corporation whatsoever, caused or alleged to have been caused by any act or omission by Contractor or any of its subcontractors, and any of their employees and agents, resulting from or in any way connected with the performance of the work. Contractor hereby

waives all claims now or hereafter arising against Company and its Affiliates and all of their officers, directors, agents and employees in any manner related to the work.

**\*\*Contractor's receipt of these terms and conditions and commencement of the work contemplated by this purchase order shall indicate an unconditional acceptance of these terms and conditions.**



**Acceptance - Agreement.** This purchase order must be accepted in writing by Seller. If for any reason Seller should fail to accept it in writing, any conduct by Seller that recognizes the evidence of a contract pertaining to the subject matter hereof shall constitute acceptance by Seller of this purchase order and all of its terms and conditions. Any terms proposed in Seller's acceptance of Buyers offer that add to, vary from, or conflict with the terms herein are hereby objected to. Any such proposed terms shall be void, and the terms herein and any documents referred to on the face hereof shall constitute the complete and exclusive statement of the terms and conditions of the contract between the parties and may hereafter be modified only by written instrument executed by the authorized representatives of both parties. If this purchase order has been issued by Buyer in response to an offer from Seller and if any of the terms herein are additional to or different from any terms of such offer, then the issuance of this purchase order by Buyer shall constitute an acceptance of such offer subject to the express condition that the Seller assent to such additional and different terms herein and acknowledge that this purchase order and any documents referred to on the face hereof constitute the entire Agreement between Buyer and Seller with respect to the subject matter hereof and the subject matter of such offer, and Seller shall be deemed to have so asserted and acknowledged unless Seller notifies Buyer to the contrary in writing within ten (10) days of receipt of this purchase order.

**Termination for Convenience.** Buyer may at any time terminate this purchase order, in whole or in part, for its convenience upon written notice to Seller in which event Seller shall be entitled to reasonable termination charges consisting of a percentage of the purchase order price reflecting the percentage of the goods or services furnished by Seller prior to termination plus actual direct costs resulting from termination.

**Termination for Cause.** Buyer may terminate this purchase order at any time, in whole or in part, for cause if Seller is in default under this order or in the event that Seller is adjudged to be bankrupt, is reasonably believed by Buyer to be insolvent in the near future, makes a general assignment for the benefit of creditors, or if a receiver is appointed on account of Seller's insolvency. Late deliveries, goods or services which are defective or which do not conform to this purchase order, and failure to provide Buyer, upon request, of reasonable assurances of future performance shall, among other things, be causes allowing Buyer to terminate this purchase order for cause. In the event of termination for cause, Buyer shall not be liable to Seller for any amount, and Seller shall be liable to Buyer for any and all damages sustained by reason of the default that gave rise to the termination.

**Price.** If no price is specified in this order, the goods or services shall be billed at the price last quoted to Buyer or at the prevailing market price, whichever is lower. In the event Seller reduces its price for such goods or service during the term of this purchase order, Seller agrees to reduce the prices hereof correspondingly. Buyer shall also receive the full benefit of all discounts, allowances, premiums and other favorable terms of payment customarily offered by the Seller to its customers or customary in the trade. Seller warrants that the prices for the articles sold to Buyer hereunder are not less favorable than those currently extended to any other customer for the same or similar articles in similar quantities. Seller warrants that prices shown on this purchase order shall be complete and no additional charges of any type shall be added without Buyer's express written consent. Such additional charges include, but are not limited to, shipping, packaging, labeling, custom duties, taxes, storage, insurance, boxing, and crating.

**Warranty.** Seller expressly warrants that all goods or services furnished under this purchase order shall conform to all specifications and appropriate standards, will be new, and will be free from defects in material or workmanship. Seller warrants that all such goods or services will conform to any statements made on the containers or labels or advertisements for such goods, or services, and that all goods will be adequately contained, packaged, marked, and labeled. Seller warrants that all goods or services furnished hereunder will be merchantable, and will be safe and appropriate for the purpose for which goods or services of that kind are normally used. If Seller knows or has reason to know the particular purpose for which Buyer intends to use the goods or services Seller warrants that such goods or services will be fit for such particular purpose. Seller warrants that all goods or services furnished hereunder will conform in all respects to samples. Inspection, test, acceptance or use of the goods or services furnished hereunder shall not affect the Seller's obligation under this warranty, and such warranties shall survive inspection, test, acceptance, and use. Seller's warranty shall run to Buyer, its successors, assigns and customers, and users of products sold by Buyer. Seller agrees to replace or correct defects in any goods or services not conforming to the foregoing warranty promptly, without expense to buyer, when notified of such nonconformity by Buyer, provided Buyer elects to provide Seller with the opportunity to do so. In the event of failure of Seller to correct defects in or replace nonconforming goods or services promptly, Buyer, after reasonable notice to Seller, may make such corrections or replace such goods and services and charge Seller for the costs incurred by Buyer in doing so.

**Force Majeure.** Buyer may delay delivery or acceptance hereunder for causes beyond its control. Seller shall hold the goods or delay performance hereunder at the direction of the Buyer and shall deliver the goods or resume performance when the cause affecting the delay has been removed. Buyer shall be responsible only for the Seller's direct additional costs in holding the goods or delaying performance of this purchase order at Buyer's direction. Causes beyond Buyer's control shall include, but are not limited to: an act of God, strikes, substantive labor disputes, material shortages, nationwide labor shortages, labor organizing efforts, acts of the public enemy, wars, blockades, insurrections, riots, acts of terrorism, epidemics, pandemics, landslides, rock slides, adverse geological or hydrological conditions, lightning, hurricanes, and their aftermath, tornadoes, earthquakes, fires, thunderstorms, windstorms, floods, washouts, major damages to Buyer, interruptions to or contingencies of transportation, orders or acts or refusals to act by a Governmental Entity, military, or civil authority (including, without limitation, interruptions, whether by action or inaction, by federal, state or local governments or court orders, present and future, or actions or failures to act of any Governmental Entity having proper jurisdiction) and any other causes, whether of the kind herein enumerated or otherwise, beyond the reasonable control of the Buyer.

**Patents.** Seller agrees upon receipt of notification to promptly assume full responsibility for defense of any suit or proceeding which may be brought against Buyer or its agents or customers for alleged patent infringement, as well as for alleged unfair competition resulting from similarity in design, trademark, or appearance of goods by reason of the use or sale of any goods furnished under this contract. Seller further agrees to indemnify and hold harmless Buyer, its agents, and customers against any and all damages, liabilities, claims, losses, and

expenses, including court costs and attorney fees, resulting from any such suit or proceeding, including any settlement or decree of judgment entered therein. Buyer may be represented by and actively participate through its own counsel in any such suit or proceeding if it so desires, and the costs of such representation shall be paid by Seller. The Seller's obligation hereunder shall survive acceptance of the goods and payment by the Buyer.

**Insurance.** In the event that Seller's obligations hereunder require or contemplate performance of services by Seller's employees, or persons under contract to Seller, to be done on Buyer's property of Buyer's customers, the Seller agrees that all such work shall be done as an independent contractor and that the persons doing such work shall not be considered employees of the Buyer. Seller shall maintain all necessary insurance coverage, including public liability and workers' compensation insurance. Seller shall indemnify and save harmless and defend Buyer from any and all claims or liabilities arising out of the work covered by this purchase order.

**Indemnification.** Seller shall defend, hold harmless, and indemnify Buyer against all damages, liability, claims, losses, and expenses (including attorneys' fees), arising out of or resulting in any way from any defect in the goods or services purchased hereunder, or from any act or omission of Seller, its agents, employees, or subcontractors. This indemnification shall be in addition to the warranty obligations of Seller stated herein.

**Changes.** Buyer shall have the right at any time to make changes in drawings, designs, specifications, materials, packaging, time and place of delivery, and method of transportation. If any such changes cause an increase or decrease in the cost, or the time required for the performance, an equitable adjustment shall be made and this purchase order shall be modified in writing accordingly. Seller agrees to accept any such changes made by Buyer pursuant to this paragraph. Unless Seller presents to the Buyer an itemized statement of claim against Buyer within twenty (20) days after the receipt of notice of such change, the Seller shall be conclusively deemed to have waived all claims against the Buyer with respect thereto.

**Inspection/Testing.** Payment for goods delivered hereunder shall not constitute acceptance thereof. Buyer shall have the right to inspect such goods and to reject any or all of said goods that are in Buyer's judgment defective or nonconforming. Goods rejected and goods supplied in excess of or less than quantities called for herein may be returned to seller at its expense and, in addition to Buyer's other rights, Buyer may charge Seller all expenses of unpacking, examining, repacking, and reshipping such goods. In the event Buyer receives goods whose defects or nonconformity is not apparent on examination, Buyer reserves the right to require replacement, as well as payment of damages. Nothing contained in this purchase order shall relieve in any way the Seller from the obligation of testing, inspection, and quality control.

**Assignments and Subcontracting.** No part of this purchase order may be assigned or subcontracted without prior written approval of Buyer.

**Setoff.** All claims for money due or to become due from Buyer shall be subject to deduction or setoff by the Buyer by reason of any counter claim arising out of this or any other transaction with Seller.

**Shipment - Delivery.** Time is of the essence of this purchase order, and if delivery of items or rendering of services is not completed by the time promised, Buyer reserves the right, without liability, in addition to its other rights and remedies, to terminate this purchase order by notice effective when received by Seller as to items not yet shipped or services not yet rendered and to purchase substitute items or services elsewhere and charge Seller with all losses incurred. The terms of delivery are as stated on the reverse side hereof. If in order to comply with Buyer's required delivery date it becomes necessary for Seller to ship by a more expensive way than specified in this purchase order, any increased transportation costs resulting therefrom shall be paid for by Seller unless the necessity for such rerouting or expedited handling has been caused by the Buyer. Risk of loss or damage to the goods to be delivered hereunder shall remain with Seller until Buyer's receipt of the goods.

**Terms of Payment.** A separate invoice shall be issued for each shipment. Invoices offering a cash discount will be paid according to discounted terms. Those invoices not offering cash discount (net invoices) will be paid within thirty (30) days of receipt of goods or services or receipt of a correct copy of the invoice, whichever is later.

**Waiver.** Buyer's failure to insist on performance of any of the terms or conditions herein or to exercise any right or privilege or Buyer's waiver of any breach hereunder shall not thereafter waive any other terms, conditions, or privileges, whether of the same or similar type.

**Limitation on Buyer's Liability - Statute of Limitations.** In no event shall Buyer be liable for any anticipated profits or for any special, incidental or consequential damages. Buyer's liability on any claim of any kind for any loss or damage arising out of or in connection with or resulting from this purchase order, or from the performance or breach thereof shall in no case exceed the price allocable to the goods or services or unit thereof which gives rise to the claim. Buyer shall not be liable for penalties of any kind. Any action resulting from any breach on the part of Buyer as to the goods or services furnished hereunder must be commenced within one (1) year after the cause of action has accrued.

**Remedies.** Buyer's remedies shall be cumulative and additional to any other or further remedies provided in law or equity or this order.

**Governing Law.** This order is made under and shall be governed and construed by the laws of the state in which the goods are delivered hereunder and the Uniform Commercial Code without regard to conflict of law considerations.

**Equal Employment Opportunity.** Seller agrees to abide by the requirements of Executive Order 11246, the Vietnam Era Veterans Readjustment Assistance Act (as amended), the Rehabilitation Act of 1973, and their implementing regulations, 41 C.F.R. 60-1.4, 60- 300.5(a) and 60-741.5(d), to the extent applicable. These regulations require affirmative action by covered prime federal contractors and subcontractors to employ and advance in employment minorities, women, qualified protected veterans and qualified individuals with disabilities, and to treat such persons without discrimination on the basis of race or ethnic status, gender, protected veteran status, or any physical or mental disability.

ATTACHMENT 4 - IMPOUNDMENT INFORMATION TABLE

The Sabine Mining Company South Hallsville No. 1 Mine South Marshall Area																				
Active/ Post	Discharge Pond	Designation (T, D, C, E) <sup>1</sup>	Outfall Number	Latitude	Longitude	Liner Type (C, I, S, A)	Alt. Liner Attachment Reference	Leak Detection System (Y/N)	Groundwater Monitoring Wells (Y/N)	Groundwater Monitoring Data Attachment	Pond Bottom Located Above the Seasonal High Water Table (Y/N)	Length (ft)	Width (ft)	Depth from Natural Ground Level	Freeboard (ft)	Surface Area (acres)	Storage Capacity (acre-ft)	40 CFR Part 257, Subpart D (Y/N)	Date of Construction	Immediate Receiving Water
South Hallsville No. 1 Mine - South Marshall Area																				
Post	Brandy Branch	C	001	32°23.968	94°28.567	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	158.4	611.9	NA	11/16/2001	Brandy Branch
Post	Spring Creek A	C	002	32°24.566	94°26.990	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	129.7	651.3	NA	11/26/2003	Spring Creek
Post	M2	C	003	32°24.662	94°29.914	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	21.0	40.2	NA	2/16/2000	Hatley Creek
Post	M3	C	004	32°24.205	94°30.069	None	NA	NA	NA	NA	NA	NA	NA	36.0	NA	8.1	39.5	NA	1/7/2011	Hatley Creek
Post	M4	C	005	32°23.883	94°29.834	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	16	73.6	NA	2/22/2008	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	M5A	C	006	32°23.708	94°29.427	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.7	14.3	NA	1/24/2009	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	M5B Lower	C	007	32°23.515	94°29.044	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	7.1	49.3	NA	1/24/2009	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	R1A	C	011	32°26.329	94°23.795	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	7.3	70.9	NA	10/22/2015	Roseborough Creek
Post	R2A	C	013	32°26.947	94°24.119	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.4	12.6	NA	10/22/2015	Roseborough Creek
Post	R2B	C	014	32° 26.871	94°24.127	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	2.3	13.7	NA	10/22/2015	Roseborough Creek
Active	N2	C	018	32°27.434	94°25.966	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	194.0	694.1	NA	2/3/2020	Potters Creek
Post	Q10	C	019	32°28.495	94°21.626	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	275.0	86.0	NA	1/23/2016	Eightmile Creek
Post	A11	C	021	32°26.686	94°30.368	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	5.0	24.5	NA	3/16/2011	Hatley Creek
Post	A4	C	022	32°27.343	94°30.890	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.8	15.4	NA	9/25/1984	Hatley Creek
Post	A5	C	023	32°27.081	94°30.779	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	13.1	68.5	NA	9/25/1984	Hatley Creek
Post	B12	C	024	32°25.605	94°31.495	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	35.7	180.0	NA	9/17/1987	Clarks Creek
Post	C8	C	031	32°27.866	94°30.982	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	23.9	240.0	NA	3/28/2002	Hatley Creek
Post	E2	C	038	32°25.907	94°34.074	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	23.7	116.4	NA	2/14/1994	Clarks Creek
Post	K4	C	044	32°26.495	94°30.478	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	4.1	20.0	NA	12/17/1997	Hatley Creek
Post	K5	C	045	32°26.230	94°30.418	None	NA	NA	NA	NA	NA	NA	NA	2.0	NA	6.8	47.2	NA	11/25/1997	Hatley Creek
Post	M1B	C	048	32°24.985	94°29.998	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	10.6	86.9	NA	1/5/1999	Hatley Creek
Post	MF-1	C	050	32°27.884	94°31.113	None	NA	NA	NA	NA	NA	NA	NA	3.0	NA	2.5	11.1	NA	9/16/1983	Hatley Creek
Post	Q1 South	C	052	32°26.755	94°25.278	None	NA	NA	NA	NA	NA	NA	NA	5.4	NA	3.9	74.9	NA	12/5/2006	Starkey Creek
Post	S1	C	053	32°24.659	94°23.327	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.2	194.0	NA	10/31/2000	Potters Creek
Post	S2	C	054	32°23.920	94°22.796	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	1.9	105.2	NA	7/20/2001	Tributary of Sabine River Above Toledo Bend Reservoir in Sabine River Basin
Post	S6	C	058	32°24.746	94°20.876	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	16.8	98.7	NA	9/23/2004	Colliers Creek
Post	S6A	C	059	32°24.943	94°20.801	None	NA	NA	NA	NA	NA	NA	NA	0.0	NA	5.0	17.0	NA	12/22/2005	Colliers Creek

<sup>1</sup> Use Designation: "T" for treatment, "D" for disposal, "C" containment, or "E" for evaporation.

ATTACHMENT 5 - OUTFALL/DISPOSAL METHOD INFORMATION																								
The Sabine Mining Company South Hallsville No. 1 Mine South Marshall Area																								
Active/ Post	Discharge Pond	Outfall Number	Outfall Latitude and Longitude						Location Description	Description of Sampling Points	Outfall Flow Information - Permitted and Proposed				Outfall Discharge - Method and Measurement			Outfall Discharge - Flow Characteristics						
			Latitude			Longitude					Permitted Daily Average Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Average Flow (MGD)	Proposed Daily Maximum Flow (MGD)	Pumped Discharge? (Y/N)	Gravity Discharge? (Y/N)	Type of Flow Measurement Device Used	Intermittent Discharge? (Y/N)	Seasonal Discharge? (Y/N)	Continuous Discharge? (Y/N)	Discharge Duration (hours/day)	Discharge Duration (days/month)	Discharge Duration (months/year)	
			Deg.	Min.	Sec.	Deg.	Min.	Sec.																
South Hallsville No. 1 Mine - South Marshall Area																								
Post	Brandy Branch	001	32	23	58.08	94	28	37.02	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Spring Creek	002	32	24	33.96	94	26	59.40	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M2	003	32	24	39.72	94	29	54.84	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M3	004	32	24	12.30	94	30	4.14	P	Same, P	Variable	Variable	Variable	Variable	Y	N	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M4	005	32	23	52.98	94	29	50.04	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M5A	006	32	23	42.48	94	29	25.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M5B Upper	008	32	23	45.42	94	28	37.32	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R1A	011	32	26	19.74	94	23	47.70	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R2A	013	32	26	56.82	94	24	7.14	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	R2B	014	32	26	52.26	94	24	7.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Active	N2	018	32	27	26.04	94	25	57.96	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Q10	019	32	28	29.70	94	21	37.56	P	Same, P	Variable	Variable	Variable	Variable	Y	N	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A11	021	32	26	41.16	94	30	22.08	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A4	022	32	27	20.58	94	30	53.40	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	A5	023	32	27	4.86	94	30	46.74	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	B12	024	32	25	36.30	94	31	29.70	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	C8	031	32	27	51.96	94	30	58.92	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	E2	038	32	27	31.98	94	34	4.44	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	K4	044	32	26	4.44	94	30	28.68	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	K5	045	32	26	13.80	94	30	25.08	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	M1B	048	32	25	3.51	94	30	0.96	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	MF-1	050	32	27	53.04	94	31	6.78	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	Q1 South	052	32	26	45.30	94	25	16.68	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S1	053	32	24	39.54	94	23	19.62	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S2	054	32	23	55.20	94	22	47.76	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S6	058	32	24	44.76	94	20	52.56	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Post	S6A	059	32	24	56.58	94	20	48.06	P	Same, P	Variable	Variable	Variable	Variable	N	Y	Estimate	Y	N	N	Variable	Variable	Variable	
Domestic Wastewater Outfall																								
Treatment Plant		201	32	27	56	94	31	10.02	D	Same, D	0.006	0.012	0.006	0.012	N	Y	Meter, Weir	N	N	Y	24	30	12	

P - South Marshall Area Post Mining area within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).  
A - South Marshall Area Active Mining area within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).  
D - Domestic wastewater discharge within the drainage area of the Sabine River above Toledo Bend Reservoir (Segment No. 0505).



**Attachment 6 - The Sabine Mining Company**  
**6501 FM 968 W, Hallsville, Texas**

**Wastewater Permit Renewal Discharge Analytics**  
**South Marshall Area**  
**TPDES Permit No. WQ0002538000**

<b>TABLE 1:</b>	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (mg/L)</b>					
<b>Pollutants</b>		<b>Outfall 001 (Brandy Branch)</b>	<b>Outfall 018 (N2)</b>	<b>Outfall 009 (Q4)</b>	<b>Outfall 031 (C8)</b>	<b>Outfall 053 (S1)</b>	
BOD (5-day)		TBD	TBD	TBD	TBD	TBD	
CBOD (5-day)		TBD	TBD	TBD	TBD	TBD	
Chemical Oxygen Demand		TBD	TBD	TBD	TBD	TBD	
Total Organic Carbon		TBD	TBD	TBD	TBD	TBD	
Dissolved Oxygen		TBD	TBD	TBD	TBD	TBD	
Ammonia Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Suspended Solids		TBD	TBD	TBD	TBD	TBD	
Nitrate Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Organic Nitrogen		TBD	TBD	TBD	TBD	TBD	
Total Phosphorus		TBD	TBD	TBD	TBD	TBD	
Oil and Grease		TBD	TBD	TBD	TBD	TBD	
Total Residual Chlorine		TBD	TBD	TBD	TBD	TBD	
Total Dissolved Solids		TBD	TBD	TBD	TBD	TBD	
Sulfate		TBD	TBD	TBD	TBD	TBD	
Chloride		TBD	TBD	TBD	TBD	TBD	
Fluoride		TBD	TBD	TBD	TBD	TBD	
Temperature (°C)		TBD	TBD	TBD	TBD	TBD	
Total Alkalinity (mg/L as CaCO <sub>3</sub> )		TBD	TBD	TBD	TBD	TBD	
pH (Standard Units; min/max)		TBD	TBD	TBD	TBD	TBD	
<b>TABLE 2:</b>	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (µg/L)</b>					
<b>Pollutants</b>		<b>Outfall 001 (Brandy Branch)</b>	<b>Outfall 018 (N2)</b>	<b>Outfall 009 (Q4)</b>	<b>Outfall 031 (C8)</b>	<b>Outfall 053 (S1)</b>	<b>MAL<sup>1</sup> (µg/l)</b>
Total Aluminum		TBD	TBD	TBD	TBD	TBD	2.5
Total Antimony		TBD	TBD	TBD	TBD	TBD	5
Total Arsenic		TBD	TBD	TBD	TBD	TBD	0.5
Total Barium		TBD	TBD	TBD	TBD	TBD	3
Total Beryllium		TBD	TBD	TBD	TBD	TBD	0.5
Total Cadmium		TBD	TBD	TBD	TBD	TBD	1
Total Chromium		TBD	TBD	TBD	TBD	TBD	3
Hexavalent Chromium		TBD	TBD	TBD	TBD	TBD	3
Trivalent Chromium		TBD	TBD	TBD	TBD	TBD	N/A
Total Copper		TBD	TBD	TBD	TBD	TBD	2
Cyanide, available		TBD	TBD	TBD	TBD	TBD	2/10
Total Lead		TBD	TBD	TBD	TBD	TBD	0.5
Total Mercury		TBD	TBD	TBD	TBD	TBD	0.005/0.0005
Total Nickel		TBD	TBD	TBD	TBD	TBD	2
Total Selenium		TBD	TBD	TBD	TBD	TBD	5
Total Silver		TBD	TBD	TBD	TBD	TBD	0.5
Total Thallium		TBD	TBD	TBD	TBD	TBD	0.5
Total Zinc		TBD	TBD	TBD	TBD	TBD	5.0

<sup>1</sup> MAL - Minimum Analytical Level

**Attachment 6 - The Sabine Mining Company**  
**6501 FM 968 W, Hallsville, Texas**

**Wastewater Permit Renewal Discharge Analytics**  
**South Marshall Area**  
**TPDES Permit No. WQ0002538000**

<b>TABLE 4: <u>Outfall 201</u></b> <input type="checkbox"/> C <input checked="" type="checkbox"/> G	<b>Effluent Concentration (mg/L)</b>					<b>MAL<sup>1</sup> (µg/l)</b>
Pollutants	Month 1	Month 2	Month 3	Month 4		N/A
<i>E. coli</i> (cfu or MPN/100 mL)	Non-Detect	2.000	Non-Detect	Non-Detect		N/A

TABLE 6:	<input type="checkbox"/> C <input checked="" type="checkbox"/> G	Effluent Concentration (mg/l) <sup>1</sup>					
Pollutants	Outfall 001 (Brandy Branch)	Outfall 002 (Spring Creek)	Outfall 009 (Q4)	Outfall 031 (C8)	Outfall 053 (S1)	MAL (µg/l)	
Bromide	TBD	TBD	TBD	TBD	TBD	400	
Color (PCU)	TBD	TBD	TBD	TBD	TBD	-	
Nitrate-Nitrite (as N)	TBD	TBD	TBD	TBD	TBD	-	
Sulfide (as S)	TBD	TBD	TBD	TBD	TBD	-	
Sulfite (as SO <sub>3</sub> )	TBD	TBD	TBD	TBD	TBD	-	
Surfactants	TBD	TBD	TBD	TBD	TBD	-	
Total Boron	TBD	TBD	TBD	TBD	TBD	20	
Total Cobalt	TBD	TBD	TBD	TBD	TBD	0.3	
Total Iron	TBD	TBD	TBD	TBD	TBD	7	
Total Magnesium	TBD	TBD	TBD	TBD	TBD	20	
Total Manganese	TBD	TBD	TBD	TBD	TBD	0.5	
Total Molybdenum	TBD	TBD	TBD	TBD	TBD	1	
Total Tin	TBD	TBD	TBD	TBD	TBD	5	
Total Titanium	TBD	TBD	TBD	TBD	TBD	30	

<sup>1</sup> Color is measured in PtCo Units

Note: Per correspondance with TCEQ, only one sample was required per respresentaitve active and post mining Outfalls. Other outfalls were not required to be sampled (see Attachment 7).



## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A506086-01	Water	03-Jun-25 09:30
Sabine - Effluent - 001	A506087-01	Water	03-Jun-25 09:30
Sabine - A - Basin	A506087-02	Water	03-Jun-25 09:30
Sabine - Effluent - 001	A506196-01	Water	10-Jun-25 09:30
Sabine - A - Basin	A506196-02	Water	10-Jun-25 09:30
Sabine - Effluent - 001	A506288-01	Water	17-Jun-25 09:30
Sabine - A - Basin	A506288-02	Water	17-Jun-25 09:30
Sabine - Effluent - 001	A506375-01	Water	24-Jun-25 09:30
Sabine - A - Basin	A506375-02	Water	24-Jun-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
30-Jun-25 11:52

**A506086-01 (Water) Sabine - Effluent - 001 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	ND	1.00	MPN/100 ml	2523033	6/3/25 14:00	19223BColil	

**A506087-01 (Water) Sabine - Effluent - 001 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2523028	6/3/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2523008	6/3/25 15:20	SM 5210B	
Total Suspended Solids	6.50	1.00	mg/L	2523005	6/3/25 14:20	SM 2540 D	
Field Dissolved Oxygen	6.4		mg/L	2523028	6/3/25 9:30	SM45000 C	

**A506087-02 (Water) Sabine - A - Basin 6/3/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLSS (No Certification)	1400		mg/L	2523053	6/5/25 12:45	SM 2540 D	
MLVS (No Certification)	960		mg/L	2523053	6/5/25 12:45	SM 2540 E	

**A506196-01 (Water) Sabine - Effluent - 001 6/10/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2524013	6/10/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2523046	6/10/25 15:45	SM 5210B	
Total Suspended Solids	5.80	1.00	mg/L	2523043	6/10/25 14:05	SM 2540 D	



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
30-Jun-25 11:52

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference  
SUB Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6601 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 803-650-4200

Fax: 3-660-3665

Project Number: Project Description:

Sample Identification Location Date Time Matrix Grid/Comp Used Preservative No. Containers

Effluent - 001

6/3/25

0930

npw

G

Y

Cool

1

P

A-Basin

npw

G

Y

Cool

1

P

Effluent - 001

6/3/25

0930

npw

G

Y

Sterile/Thio

1

P

Laboratory Chain-of-Custody

A W W S, INC.

Analytical Water and Wastewater Services, Inc.

695 Shady Ln, Hallsville, TX 75650; Phone (803) 668-4133; Fax (803) 668-1085

AWWSInc@gmail.com

Analyses Requested

BOD5, TSS

MLSS/MLVS

EColi

Comments

506087-01

↓ -02

506086

Samples Collected By (Signature):

Client

AWWS

Relinquished By:

X

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

Date/Time:

6/3/25

AWWS, Veh.

Received By:

Received By:

Received By:

Received By:

Received By:

Received By:

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AWWS, Veh.

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Received By:

Received By:

Received By:

Received By:

Ph 8.1 dup 8.1

DO 6.4 dup 6.4

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Comments:

Sample Received on Ice? Yes ☒ No ☐

Cooler/Sample Secure? Yes ☒ No ☐

Therm ID: #5 Nubee

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

Logged In at AWWS Laboratory By:

AWWS CQC Rev 3 Effective 10/1/24

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## ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A507054-01	Water	01-Jul-25 09:30
Sabine - Effluent - 001	A507055-01	Water	01-Jul-25 09:30
Sabine - A - Basin	A507055-02	Water	01-Jul-25 09:30
Sabine - Effluent - 001	A507169-01	Water	08-Jul-25 09:30
Sabine - A - Basin	A507169-02	Water	08-Jul-25 09:30
Sabine - Effluent - 001	A507263-01	Water	15-Jul-25 09:30
Sabine - A - Basin	A507263-02	Water	15-Jul-25 09:30
Sabine - Effluent - 001	A507351-01	Water	22-Jul-25 09:30
Sabine - A - Basin	A507351-02	Water	22-Jul-25 09:30
Sabine - Effluent - 001	A507437-01	Water	29-Jul-25 09:30
Sabine - A - Basin	A507437-02	Water	29-Jul-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas. 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
04-Aug-25 08:52

**A507054-01 (Water) Sabine - Effluent - 001 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	2.00	1.00	MPN/100 ml	2527025	7/1/25 14:10	I9223BColii	

**A507055-01 (Water) Sabine - Effluent - 001 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	7.90		pH Units	2527023	7/1/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	7.90	2.00	mg/L	2527007	7/1/25 15:25	SM 5210B	
Total Suspended Solids	4.50	1.00	mg/L	2527004	7/1/25 14:05	SM 2540 D	
Field Dissolved Oxygen	3.7		mg/L	2527023	7/1/25 9:30	SM4500O G	

**A507055-02 (Water) Sabine - A - Basin 7/1/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLSS (No Certification)	47.0		mg/L	2527035	7/3/25 12:00	SM 2540 D	
MLVS (No Certification)	35.0		mg/L	2527035	7/3/25 12:00	SM 2540 E	

**A507169-01 (Water) Sabine - Effluent - 001 7/8/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.20		pH Units	2528024	7/8/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	2.60	2.00	mg/L	2528007	7/8/25 15:25	SM 5210B	
Total Suspended Solids	9.00	1.00	mg/L	2528004	7/8/25 14:05	SM 2540 D	



### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6501 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 803-660-4200

Fax: 3-660-3665

AWWS Project Manager:

Laboratory Chain-of-Custody  
AWWS, INC.

Analytical Water and Wastewater Services, Inc.

665 Shady Ln, Hallsville, TX 75650, Phone (803) 660-4133, Fax (803) 668-1095



Project Number:

Project Description:

AWWS Project Manager:

Sample Identification Location

Date

Time

Matrix

Grav/Comp

Y/N

Preservative

No. Conts

Pig

BOD5, TSS

MLSS/MLVS

Ecoli

Comments

507055-01

507054

507054

507054

507054

507054

A-Basin

npw

G

Y

Cool

1

P

X

X

X

X

X

X

X

X

X

X

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

X

X

X

X

X

X

X

X

X

Samples collected By (Signature):

Client

AWWS

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Relinquished By:

Date/Time: 7/1/25 1400

Logged in at AWWS Laboratory By: *[Signature]*

Comments: Ph 7.9 dup 7.9 DO 3.7 dup 3.7

AWWS COC Rev 3 Effective 10/12/14

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### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A508094-01	Water	05-Aug-25 09:30
Sabine - Effluent - 001	A508095-01	Water	05-Aug-25 09:30
Sabine - A - Basin	A508095-02	Water	05-Aug-25 09:30
Sabine - Effluent - 001	A508204-01	Water	12-Aug-25 09:30
Sabine - A - Basin	A508204-02	Water	12-Aug-25 09:30
Sabine - Effluent - 001	A508294-01	Water	19-Aug-25 09:30
Sabine - A - Basin	A508294-02	Water	19-Aug-25 09:30
Sabine - Effluent - 001	A508382-01	Water	26-Aug-25 09:30
Sabine - A - Basin	A508382-02	Water	26-Aug-25 09:30

---

Linda Burditt, Lab Office Assistant



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
02-Sep-25 12:54

**A508094-01 (Water) Sabine - Effluent - 001 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
E. Coli	ND	1.00	MPN/100 ml	2532025	8/5/25 14:00	49223BColil	

**A508095-01 (Water) Sabine - Effluent - 001 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.00		pH Units	2532021	8/5/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2532007	8/5/25 15:45	SM 5210B	
Total Suspended Solids	2.70	1.00	mg/L	2532004	8/5/25 14:05	SM 2540 D	
Field Dissolved Oxygen	5.7		mg/L	2532021	8/5/25 9:30	SM4500O G	

**A508095-02 (Water) Sabine - A - Basin 8/5/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLVS (No Certification)	800		mg/L	2533012	8/8/25 14:15	SM 2540 E	
MLSS (No Certification)	1140		mg/L	2533012	8/8/25 14:15	SM 2540 D	

**A508204-01 (Water) Sabine - Effluent - 001 8/12/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2533024	8/12/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	ND	2.00	mg/L	2533007	8/12/25 15:15	SM 5210B	
Total Suspended Solids	4.70	1.00	mg/L	2533004	8/12/25 14:10	SM 2540 D	





### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWS, Inc. gives permission to do so.

Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6501 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 903-650-4200

Fax: 3-650-3665

AWWS Project Manager:

Analytical Water and Wastewater Services, Inc.  
895 Shady Ln. Hallsville, TX 75650. Phone (903) 650-4133; Fax (903) 658-1095



Laboratory Chair-of-Custody

A W W S, INC.

Analyses Requested

Project Number:

AWWS Project Manager:

Sample Identification/Location:

Effluent - 001

Date: 8/5/25

Time: 0930

Matrix: npw

Grab/Comp: G

Y/N: Y

Preservative: Cool

No. Conts: 1

P/G: P

X

BOD5, TSS

MLSS/MLVS

Ecoli

Comments

508095-01

↓ -02

A-Basin

npw

G

Y

Cool

1

P

X

Effluent - 001

npw

G

Y

Sterile/Thio

1

P

X

508094

Samples Collected By (Signature):

Client

AWWS

Relinquished By:

Relinquished By:

Relinquished By:

Date/Time:

8/5/25

Received By:

Josh Buckle

Comments:

Ph 8.0 dup 8.0  
DO 8.7 dup 5.7

Relinquished By:

Date/Time:

8/5/25 1400

Logged in at AWWS Laboratory By:

Josh Buckle

Sample Received on Ice?

Yes

No

Temp

3.9

Therm ID: #5 Nubee

Cooler/Sample Secure?

Yes

No

Therm ID: #5 Nubee

AWWS CDC Rev 3 Effective 10/1/24

pg. 1 of 1

issued by AWWS, Inc

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled
Sabine - Effluent - 001	A509086-01	Water	02-Sep-25 09:30
Sabine - A - Basin	A509086-02	Water	02-Sep-25 09:30
Sabine - Effluent - 001	A509195-01	Water	09-Sep-25 09:30
Sabine - A - Basin	A509195-02	Water	09-Sep-25 06:30
Sabine - Effluent - 001	A509286-01	Water	16-Sep-25 09:30
Sabine - A - Basin	A509286-02	Water	16-Sep-25 09:30
Sabine - Effluent - 001	A509387-01	Water	23-Sep-25 09:30
Sabine - A - Basin	A509387-02	Water	23-Sep-25 09:30
Sabine - Effluent - 001	A509455-01	Water	30-Sep-25 09:30
Sabine - A - Basin	A509455-02	Water	30-Sep-25 09:30



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report  
Project Number: [none]  
Project Manager: Sabine Mine (North American Coal)

Reported:  
06-Oct-25 09:44

**A509086-01 (Water) Sabine - Effluent - 001 9/2/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	8.10		pH Units	2536043	9/2/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	5.20	2.00	mg/L	2536007	9/7/25 15:25	SM 5210B	
Total Suspended Solids	4.30	1.00	mg/L	2536004	9/2/25 14:05	SM 2540 D	
Field Dissolved Oxygen	5.7		mg/L	2536043	9/2/25 9:30	SM4500O G	

**A509086-02 (Water) Sabine - A - Basin 9/2/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
MLVS (No Certification)	900		mg/L	2536050	9/5/25 12:10	SM 2540 E	
MLSS (No Certification)	1280		mg/L	2536050	9/5/25 12:10	SM 2540 D	

**A509195-01 (Water) Sabine - Effluent - 001 9/9/25 9:30**

Analyte	Result	Rpt Lmt	Units	Batch	Analyzed	Method	Notes
Field pH	7.80		pH Units	2537024	9/9/25 9:30	EPA 150.1	
Biochemical Oxygen Demand	4.10	2.00	mg/L	2537007	9/14/25 16:25	SM 5210B	
Total Suspended Solids	2.90	1.00	mg/L	2537004	9/9/25 14:15	SM 2540 D	
Field Dissolved Oxygen	2.5		mg/L	2537024	9/9/25 9:30	SM4500O G	
E. Coli	ND	1.00	MPN/100 ml	2537031	9/9/25 14:00	19223BColil	

AWWS



Sabine Mine (North American Coal)  
6501 Farm Road 968 West  
Hallsville Texas, 75650-741

Project: Monthly Report

Project Number: [none]

Project Manager: Sabine Mine (North American Coal)

Reported:

06-Oct-25 09:44

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
SUB	Subcontracted

- Field Activities for pH, Dissolved Oxygen, Residual Chlorine, and Temperature are not accredited activities.
- AWWWS is not accredited for analyzing drinkingwater samples.
- QAQC may not be included for samples that will not be reported to accrediting authorities. Analyses include MLSS/MLVS and analyses for influent samples.
- NELAP Accredited.
- This report must be copied in full, unless AWWWS, Inc. gives permission to do so.



Samples Submitted By:

Name: NORTH AMERICAN COAL - SABINE MINE

Company:

Address: 6501 FARM ROAD 968 WEST

City, St Zip: HALLSVILLE, TX 75650-7413

Phone: 903-660-4200

Fax: 3-660-3665

Project Number:

Project Description:

AWWSinc@gmail.com

Analytical Water and Wastewater Services, Inc.  
699 Shady Ln, Hallsville, TX 75650, Phone: (903) 666-4133; Fax: (903) 666-1095



Laboratory Chain-of-Custody

AWWS, INC.

Analysis Requested

AWWS Project Manager

Sample Identification/Location

Effluent - 001	Date	Time	Matrix	Grab/Comp	Lead Y/N	Preservative	No. Conts	Pig
	9/9	0930	npw	G	Y	Cool	1	P

BOD5, TSS  
MLSS/MLVS  
Ecoli

X  
X  
X

Comments

509195-01A  
-02

A-Basin

Effluent - 001

npw

G

Y

Cool

1

P

X

509195-01B

AWWS, Inc.

Method of Shipment:

AWWS, Inc.

Comments:

Ph 7.8 dup 7.8  
DO 2.5 dup 2.5

Relinquished By:

Date/Time: 9/9/25

Received By: Jack Bunker

Relinquished By:

Date/Time: 9/9/25 1400

Logged In at AWWS Laboratory By: Jack Bunker

Sample Received on Ice? ☒ Yes ☐ No

Cooler/Sample Secure? ☒ Yes ☐ No Temp 3.4

Therm ID: #6 Nubee

AWWS CQC Rev 3 Effective 10/1/24



2010-000007808

\*\*\*DO NOT REMOVE THIS PAGE – IT IS A PART OF THIS INSTRUMENT\*\*\*

## DEED

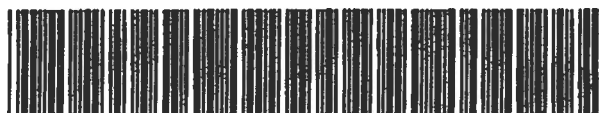
10 Pages

FILED AND RECORDED -- OPR	CLERKS NOTES
On: <u>06/14/2010 02:43 PM</u>	
Document Number: <u>2010-000007808</u>	
Receipt No: <u>1008677</u>	
Amount: \$ <u>48.00</u>	
By: <u>Lori Hightower</u> , Deputy	
<b>Patsy Cox, County Clerk Harrison County, Texas</b>	

STATE OF TEXAS  
COUNTY OF HARRISONI hereby certify that this instrument was filed on the date and time stamped hereon by me  
and was duly recorded in the Official Public Records of Harrison County, Texas.

Patsy Cox, Harrison County Clerk

Record and Return To:

US TITLE OF HARRISON COUNTY  
114A E. AUSTIN ST.

MARSHALL, TX 75670

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Tract No. 391-008

**NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER.**

### SPECIAL WARRANTY DEED

STATE OF TEXAS

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF HARRISON

§

THAT I, CHED COX, constituting my sole and separate property, whose address is 7139 Highway 59 S, Marshall, Texas 75672, hereinafter called "Grantor," for and in consideration of the sum of TEN AND NO/100 DOLLARS (\$10.00) and other good and valuable consideration in hand paid by SOUTHWESTERN ELECTRIC POWER COMPANY, whose address is 2396 FM Road 3251, Hallsville Texas 75650, hereinafter called "Grantee," the receipt and sufficiency of which is hereby acknowledged, have granted, sold, and conveyed, and by these presents do grant, sell, and convey, unto the said Grantee the following described property:

See EXHIBIT "A" attached hereto for all purposes;

together with and including any right, title, or interest of the Grantor in and to adjacent roads, highways, or rights-of-way, land, rights and appurtenances thereto, hereinafter the "Property."

This conveyance is subject to any existing mineral reservation, mineral conveyance, oil and gas lease, easement or right-of-way covering the above land now of record in the Office of the County Clerk of Harrison County, Texas, if valid and in force.

This deed conveys no interest in oil, gas and other liquid and gaseous hydrocarbons and there is EXCEPTED from this conveyance, and RESERVED by the Grantor, for the Grantor, the Grantor's heirs and assigns, all oil, gas and other liquid and gaseous hydrocarbons in, under and that may be produced from the Property, together with reasonable rights of ingress and egress to enter upon and use the surface of the Property to explore for, produce and remove such reserved oil, gas and other liquid and gaseous hydrocarbons; but in exercising such rights of ingress and egress the Grantor, Grantor's heirs, lessees, successors and assigns shall not unreasonably interfere with Grantee's use of the Property.

The Grantor has not reserved, but conveys to the Grantee, all gravel, iron ore, coal or lignite or other solid minerals and substances that may be on, in or under the above land, and all rights to lease, mine, develop and remove such minerals and substances. However, Grantor reserves a production royalty to be paid by Grantee to Grantor in an amount equal to \$1,250.00 per acre foot for every acre of coal and lignite mined and removed from the Property. Seller's

reservation is described in more detail in the Royalty on Coal and Lignite Addendum attached hereto as Exhibit "B," the terms of which are incorporated herein by reference.

As part of the consideration for this conveyance, Grantor will become a residential tenant of Grantee, without compensation to Grantee, for a period commencing on the date of this deed and ending on or before May 31, 2012, and as such, Grantor will have the right to use any improvements located thereon for a period of time commencing on the date of this deed and ending on or before May 31, 2012, together with the right to remove any personal property and improvements belonging to Grantor, excluding the residence, as agreed upon between Grantor and Grantee in the Contract for Sale of Land covering the Property, which pertinent provisions are incorporated herein by reference.

Grantor agrees not to place or allow any litter, waste or debris to remain on the Property, and will not place any hazardous chemicals, materials, substances or wastes on the Property during Grantor's tenancy.

Grantor hereby agrees to indemnify Grantee from any and all claims for damages to the Property and/or for claims of third parties for property or personal damages they claim or assert against Grantee as a result of any activities by Grantor that occur on or in any way relate to the Property. It is understood and agreed by the parties that this agreement by Grantor to indemnify Grantee does not include activities relating to Grantee's agents and/or assigns, specifically any employees of The Sabine Mining Company, unless such claims are directly attributable to the sole negligence of Grantor.

Grantor confirms that Grantee shall have immediate and continuing access to the Property to conduct mining operations, including but not limited to, all necessary preliminary work relating to the construction of a road, pipeline relocation, electric power line installation and all other work necessary to conduct mining operations on the Property. The said mining activities will be performed in a manner so as to not unreasonably disturb or inconvenience the Grantor. Grantor and Grantee agree to coordinate their activities so as to allow each to use the Property for its purposes.

Grantor makes no representation, warranty or guaranty to Grantee as to the condition, usability or suitability of the Property, or as to any defects or freedom from defects. The Property is being sold and conveyed in its present condition "AS IS, AND WITH ALL FAULTS," without any warranty or guarantee of any kind, except the special warranty of title contained herein. Grantee assumes the risk that adverse past, present and future physical characteristics and conditions may not have been revealed by its inspection or investigation, and that the act of closing shall constitute a waiver of any and all objections to or claims with regard to any and all physical characteristics and existing conditions of the Property, including, without limitation, any hazardous materials, substances, contaminants, pollutants or asbestos-containing materials in, at, on or under the Property.

Grantor covenants with the Grantee, and its successors and assigns that, except as provided herein, the Property is free from all encumbrances made by Grantor, and Grantor further covenants that it will warrant and defend the same to the Grantee, and its successors and assigns, against the lawful claims and demands of all persons claiming by, through, or under Grantor, but not otherwise. The covenants of special warranty of Grantor are subject to those items referred to in this deed, and are hereby expressly limited to the acts of Grantor during the time in which it has been the holder of record of title to the Property hereby conveyed.

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Michelle Cox joins into the execution of this Special Warranty Deed for the purpose of conveying any and all right, title, and interest she may have in and to the property the subject of this conveyance, which she may have acquired pursuant to the community property laws of this state and/or which she may claim as any part of her homestead.

TO HAVE AND TO HOLD the Property unto Grantee and its successors and assigns forever, except as provided herein.

EXECUTED effective as of the 14<sup>th</sup> day of June, 2010.

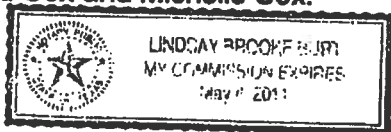
Ched Cox  
Ched Cox

Michelle Cox  
Michelle Cox

STATE OF TEXAS §

COUNTY OF HARRISON §

This instrument was acknowledged before me on this the 14<sup>th</sup> day of June 2010, by Ched Cox and Michelle Cox.



Lindsay Brooke Hurt  
Notary Public, State of Texas

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## EXHIBIT "A"

**STANGER SURVEYING TYLER LLC**1595 E. GRANDE BLVD.  
TYLER, TEXAS 75703

PH: 903-534-0174

FAX: 903-534-8060

**TRACT 391-008****PENNINGTON LINDSEY, ABSTRACT NO. 391  
HARRISON COUNTY, TEXAS****METES AND BOUNDS DESCRIPTION**

**BEING** 93.39 acres of land situated in the Pennington Lindsey Survey, Abstract No. 391, Harrison County, Texas, and being the residue of that certain called 94.40 acre tract as described in a deed from Virginia Jarrell, et al., to Ched Cox, dated August 13, 1984, and recorded in Volume 1044, Page 290, of the Deed Records of Harrison County, Texas, said tract to be more particularly described by metes and bounds as follows:

**BEGINNING** at a ½" iron rod (found) at the southwest corner of the above mentioned 94.40 acre tract, being at the southeast corner of that certain called 5.36 acre tract described as Exhibit "A" in Volume 1049, Page 242, and being in the north boundary line of that certain called 233 acre tract as described in Volume X, Page 41, said point of beginning also being located at the coordinates of 306,462.28 feet north and 2,967,592.29 feet east;

**THENCE** North 21° 26' 05" West, for a distance of 628.23 feet, with the west boundary line of said 94.40 acre tract, to a ½" iron rod (found) at the northeast corner of the above mentioned 5.36 acre tract (Exhibit "A"), and being at the southeast corner of that certain called 5.36 acre tract described as Exhibit "B" in Volume 1049, Page 242;

**THENCE** North 21° 28' 49" West, for a distance of 149.99 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of the above mentioned 5.36 acre tract (Exhibit "B"), to a ½" iron rod (found, bent) at an angle break in the east boundary line of same;

**THENCE** North 21° 39' 01" West, for a distance of 468.48 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of said 5.36 acre tract (Exhibit "B"), to a ½" iron rod (found) at the northeast corner of same, and being at the southeast corner of that certain called 5.36 acre tract described as Exhibit "C" in Volume 1049, Page 242;

**THENCE** North 22° 05' 32" West, for a distance of 301.23 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of the above mentioned 5.36 acre tract (Exhibit "C"), to a ½" iron rod (set with cap marked "STANGER") for an angle break in the east boundary line of same;

**THENCE** North 22° 21' 32" West, for a distance of 313.23 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of said 5.36 acre tract (Exhibit "C"), to a ½" iron rod (found) at the northeast corner of same, and being at the southeast corner of that certain called 5.36 acre tract described as Exhibit "D" in Volume 1049, Page 242;

**THENCE** North 22° 24' 21" West, for a distance of 299.28 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of the above mentioned 5.36 acre tract (Exhibit "D"), to a ½" iron rod (found) at an angle break in the east boundary line of same;

**THENCE** North 21° 57' 46" West, for a distance of 317.29 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary of said 5.36 acre tract (Exhibit "D"), to a ½" iron rod (found) at the northeast corner of same, and being at the southeast corner of that certain called 5.36 acre tract described as Exhibit "E", Tract No. 5 in Volume 1049, Page 242;

**THENCE** North 21° 53' 30" West, for a distance of 292.32 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of the above mentioned 5.36 acre tract (Exhibit "E") to a ½" iron rod (set with cap marked "STANGER") for an angle break in the east boundary line of same;

**THENCE** North 20° 39' 20" West, for a distance of 304.09 feet, with the west boundary line of said 94.40 acre tract, and with the east boundary line of said 5.36 acre tract (Exhibit "E"), to a ½" iron rod (found) at the northwest corner of said 94.40 acre tract, being at the northeast corner of said 5.36 acre tract (Exhibit "E"), and being in the south boundary line of that certain called 11.00 acre tract as described in Volume 1229, Page 581;

**THENCE** North 68° 05' 57" East, for a distance of 772.04 feet, with the south boundary line of the above mentioned 11.00 acre tract, to a nail spike (set, at a fence corner) for the most northerly northeast corner of said 94.40 acre tract, and being at the northwest corner of that certain called 10 acre tract as described in Volume 586, Page 309;

**THENCE** South 22° 31' 09" East, for a distance of 667.71 feet, to a nail spike (set, at a fence corner) for an interior ell corner of said 94.40 acre tract, and being at the southwest corner of the above mentioned 10 acre tract;

**THENCE** North 68° 26' 57" East, for a distance of 664.38 feet, to a point for the most easterly northeast corner of said 94.40 acre tract, being at the southeast corner of said 10 acre tract, and being in the west boundary line of that certain called 7.03 acre tract as described in Volume 1245, Page 396, from said point, a 1" crimped iron pipe (found) bears North 22° 06' 39" East, a distance of 41.37 feet;

**THENCE** South 22° 06' 39" East, for a distance of 1217.28 feet, with the east boundary line of said 94.40 acre tract, with the west boundary line of the above mentioned 7.03 acre tract, and with the west boundary line of that certain called 2.15 acre tract as described in Volume 1253, Page 223, to a ¾" galvanized crimped iron pipe (found) at the southwest corner of same, and being at the northwest corner of that certain called 2.745 acre tract as described in Volume 707, Page 57;

**THENCE** South 22° 26' 19" East, for a distance of 756.78 feet, with the east boundary line of said 94.40 acre tract, to a 2" metal pipe fence corner (found) at an interior ell corner of same, and being at the southwest corner of the above mentioned 2.745 acre tract;

**THENCE** North 69° 21' 41" East, for a distance of 126.39 feet, with the most southerly north boundary line of said 94.40 acre tract, and with the south boundary line of said 2.745 acre tract, to a point, and being in the west right-of-way line of U.S. Highway No. 59, from said point, a concrete monument (found) bears North 12° 10' 22" West, a distance of 89.50 feet;

**THENCE** South 12° 10' 22" East, for a distance of 410.31 feet, with the west right-of-way line of U.S. Highway No. 59, to a concrete monument (found);

**THENCE** South 12° 57' 22" East, for a distance of 39.36 feet, with the west right-of-way line of U.S. Highway No. 59, to a point, being in the south boundary line of said 94.40 acre tract, and being in the north boundary line of that certain called 3-4/10 acre tract as described in Volume 120, Page 213, from said point, a concrete monument (found) bears North 12° 57' 22" West, a distance of 39.36 feet;

**THENCE** South 68° 46' 24" West, for a distance of 1514.61 feet, with the south boundary line



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of said 94.40 acre tract, with the north boundary line of the above mentioned 3-4/10 acre tract, and with the north boundary line of the above mentioned 233 acre tract, back to the place of beginning and containing **93.39 acres of land.**

All bearings, distances, coordinates, and acreages are based on the Texas Coordinate System, North Central Zone (NAD 1927). The theta angle at the point of beginning is 01° 42' 41" and the combined scale factor is 0.9999184.

See Final Map and Surveyor's Report prepared even date.

I, Dempsey D. Hannah, Registered Professional Land Surveyor, do hereby certify that the above description was prepared from an actual survey made on the ground, under my supervision, during the months of March, April and May 2010.

**GIVEN UNDER MY HAND AND SEAL, this the 26<sup>th</sup> day of May, 2010.**



Dempsey D. Hannah  
Registered Professional Land Surveyor  
State of Texas No. 5637



**EXHIBIT "B"****Tract No. 391-008****ROYALTY ON COAL AND LIGNITE ADDENDUM**

The Grantor has reserved, and the Grantee shall pay Grantor as royalty, the sum of TWELVE HUNDRED FIFTY DOLLARS (\$1,250.00) per acre foot for every acre foot of coal and lignite mined and removed from said Property, subject to the following provisions:

1. Such royalty shall be due within thirty days after the end of each calendar quarter within which coal and lignite has been mined and removed from said Property.
2. Grantor acknowledges that mining of coal and lignite on said Property may never take place, and if conducted may be deferred or interrupted for many years.
3. There shall be no obligation or implied covenant for Grantee to begin mining operations on said Property, nor to mine, remove or sell coal and lignite therefrom, nor to continue the mining, removal or sale of coal and lignite once operations have begun. If Grantee mines coal and lignite from said Property, it shall have the right to mine such coal and lignite that in its opinion can be mined and utilized at a cost competitive with other fuel sources for Grantee's Pirkey Power Plant in Harrison County, Texas, or other plants. Provided, however, that Grantee shall have no duty to mine, utilize or pay royalty on coal and lignite which Grantee does not mine or utilize because Grantee deems it to be uneconomical or unsuitable.
4. If any of said Property is now or hereafter subject to conveyance, lease or other instrument entitling others to mine said Property for coal and lignite, or to claim such right or there is a dispute as to such right or as to title, or right to payment of royalty, any such payment may be deposited in escrow with the depository bank herein specified or in the Southwestern Electric Power Company's insured non-interest bearing escrow or suspense account, or, at Grantee's election may be interpleaded in the proper court of Harrison County, Texas, in an appropriate interpleader action, in each event to be held until such lease, conveyance or other instrument has been released, expired or canceled as to said Property, and/or until such dispute is resolved; any sums so deposited in escrow or in suspense or interpleaded by Grantee shall be deemed payment of royalty due hereunder.
5. The rights of either party may be assigned in whole or in part and the provisions hereof shall extend to their heirs, executors, administrators, successors and assigns, but no change or division in the ownership of said Property or any payments provided for hereunder, however accomplished, shall operate to enlarge the obligations or diminish the rights of Grantee.
6. Without impairment of Grantee's rights under the warranty in the event of failure of title, it is agreed that if Grantor owns less than the entire undivided interest in all or part of said Property or the coal and lignite, coal and lignite royalty and coal and lignite leasing rights, whether such interest is herein specified or not, then the royalty herein provided for shall be reduced proportionately and paid to said Grantor only in proportion that Grantor's interest bears to the whole and undivided fee title to said Property, coal and lignite royalty, and leasing rights to said coal and lignite, and all outstanding royalty and other rights to receive payments shall be deducted from those herein provided.

7. In this reservation, for illustration purposes only, if Grantor owns all coal and lignite and all coal and lignite leasing rights under a 100 acre tract, Grantor owns and is conveying to Grantee 100 acres of coal and lignite and coal and lignite leasing rights thereunder, and in such event the Grantor will be entitled to a royalty on all coal and lignite mined from said Property; but if Grantor owns 1/2 or an undivided 1/2 of the coal and lignite and coal and lignite leasing rights under a 100 acre tract, Grantor owns and is conveying to Grantee 50 acres of coal and lignite and coal and lignite leasing rights thereunder, and in such event the Grantor will be entitled to a royalty on 1/2 of the coal and lignite mined from said Property.

8. No assignment, transfer, conveyance or change of ownership of any interest of Grantor in said Property and/or under this reservation shall be binding upon Grantee until 60 days after Grantee has received the recorded documents or certified copies thereof evidencing such change of ownership and constituting the chain of title from the original Grantor, and a transfer order executed by the former owners and then present owner, which documents evidence to Grantee's satisfaction the agreement of the then former and present owners as relates to their respective rights to payments, notices, and other rights under this reservation. Grantee shall have the right to either withhold payments due hereunder until 60 days after they receive such documentation, or to continue to make all such payments due under this reservation either to Grantor or to Grantor's account in the depository bank, or to such other depository bank as designated in a subsequent recordable instrument acceptable to Grantee, or at the discretion of Grantee to pay or tender same for deposit in Southwestern Electric Power Company's insured non-interest bearing escrow or suspense account any payments due under this reservation jointly and/or to the joint account of the parties to such change of ownership without apportionment or allocation, and such joint payments shall be deemed as proper discharge of Grantee's payment obligations hereunder.

9. All payments provided for herein may be made by check or draft of Grantee, or any agent of Grantee, mailed or tendered to Grantor, whose address is 7139 Highway 59 S, Marshall, TX 75672, or to the following Bank:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

(or any alternate bank designated in writing by Grantor), or its successor, which bank is Grantor's agent and shall continue as the depository for all payments and notices to Grantor hereunder regardless of changes in ownership of the royalty and or the payments accruing hereunder. Regardless of how ownership may change, the mailing, payment or tender of royalty herein provided shall be binding on Grantor and Grantor's heirs, devisees, executors, administrators, successors and assigns and there shall be no duty of Grantee to allocate payments to respective successors or assigns of Grantor.

10. All notices to be given to Grantor may be mailed or delivered to Grantor either at the above address or bank named above, or its successor, as agent for Grantor, and said bank shall continue as Grantor's agent regardless of changes of ownership. The mailing or delivery of notices to Grantor in such manner shall be binding on the Grantor, Grantor's heirs, successors and assigns.

11. If such bank (or successor bank) should fail, liquidate or refuse to accept any payment or notice tendered hereunder, Grantee shall not be required to make such payments or give such

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notice until 60 days after Grantee has received from Grantor a recordable instrument naming another bank as agent to receive such payments and notices.

Signed for identification:

  
Chad Cox

  
Michelle Cox

## COAL AND LIGNITE LEASE

THIS LEASE, made this 21 day of September, 1976between Elie Collier Etux Edna & Raymond Collier, Sr. Etux Lucy

, LESSOR

(whether one or more) Whose address is 4130 Farlin Avenue St. Liouis, Mo 63115, and Robert Cargill

Trustee, LESSEE, whose address is P. O. Box 992, Longview, Texas, 75601, WITNESSETH:

1. Lessor, for Ten and other good valuable consideration----- DOLLARS

(\$10.00 & OVC) receipt of which is acknowledged, and the agreements and covenants herein contained does GRANT, LEASE, and LET unto Lessee the exclusive right to enter upon, investigate, explore, prospect by core drilling, excavating or otherwise, to drill, mine, strip mine, operate, produce, store and remove, coal and lignite only, together with the right to construct such facilities and the right to water (except from Lessor's well or pond) and to accessory privileges and rights-of way which may be useful to such operations conducted by Lessee thereon, or on any nearby lands, the following land

(herein called "said land") in Harrison County, Texas:

All that certain tract lot or parcel of land situated in Harrison County, Texas in the James Mitchum Survey A-462, and being more particularly described in a deed from Millie Collier etals dated 7-13-66 and recorded in Volume 630 Page 587, Harrison County Deed Records, Harrison County, Texas.

For calculating all payments herein provided, said land shall be treated as comprising 109.45 acres, whether more or less. Lessor reserves and excepts all oil, gas and other minerals except those referred to above. Subject to the rights herein granted to Lessee, Lessor reserves the full right to the use, occupancy and enjoyment of said land.

2. Lessee shall pay Lessor as annual "rental" for his lease, on or before the first anniversary date hereof, a sum of money equal to ONE DOLLAR (\$1.00) per acre for each acre covered hereby at the time such payment is due, and a similar amount on or before each succeeding eight (8) anniversary dates thereafter, and commencing with the tenth (10th) anniversary date hereof, an amount (as "advance royalty" to be credited against future royalty attributable to production under the terms hereof) equal to TEN DOLLARS (\$10.00) per acre for each acre of land covered hereby at the time said payment is due and a similar amount on or before each succeeding anniversary date thereafter unless mining for coal or lignite is being conducted on said land, or until this lease is released in whole or in part, as hereinafter provided. So long as Lessee pays Lessor the lease rental or advance royalty herein specified, or so long as mining for coal or lignite is being conducted on said premises, or this lease is otherwise extended, this lease shall remain in full force and effect. When such mining commences, Lessee may cease said rental and advance royalty payments.

Notwithstanding anything to the contrary herein, if mining operations for coal or lignite have not been commenced by Lessee, or his assigns, or any optionees or successor owners of this lease in whole or in part, on this land or within a six mile radius of \_\_\_\_\_

The Northwest corner of the W.Watson Survey A-748, Harrison County, Texas

on or before the 15th anniversary of the date of this lease, this lease shall thereupon cease and terminate.

3. Lessee shall pay Lessor as royalty for all coal and lignite mined and removed from said land the sum of FOUR HUNDRED DOLLARS (\$400.00) per acre foot for each and every acre foot of such coal and lignite, and it is agreed that when the actual mining of coal or lignite commences on said land, then all advance royalty payments paid hereunder may be deducted by the Lessee from one-half (1/2) of the amount due to Lessor as royalty for coal and lignite actually mined from said land, until such time as all amounts thus credited and deducted shall equal the amount of all such advance royalty payments.

\* OR 6% OF THE GROSS SALES PRICE F.O.B. THE MINE, WHICHEVER IS GREATER.

4. If lignite or coal is mined and removed from said land pursuant to this lease, Lessee agrees that it will pay, or cause to be paid, to Lessor a minimum royalty of EIGHT HUNDRED DOLLARS (\$800.00) for each surface acre of said land owned by Lessor within any open pit, strip mine or other excavation from which coal or lignite is removed. When said mining has been completed, the surface acres so utilized shall be measured, and if Lessor has not theretofore been paid or credited, from advance royalty, and/or actual production royalty, an amount equal to at least \$800.00 for each such surface acre within any such pit, strip mine or excavation, then within four months after termination of said mining operation, Lessee will pay Lessor the difference between the amounts theretofore so paid or credited and said \$800.00 per acre.

If mining operations are conducted on any of said land, Lessee agrees that it will pay, or cause to be paid, to Lessor the sum of \$300.00 for each surface acre of the leased land owned by Lessor and utilized by Lessee and occupied by any stock pile, mining equipment, strip mining operation, temporary building (such as tool shed, warehouse, temporary field office and similar facilities), waste or overburden dump, road or railway, or other facility utilized by Lessee in such mining operations. When said mining has been completed, the surface acres so utilized shall be measured, and if Lessor has not theretofore been paid or credited an amount equal to at least \$300.00 for each such surface acre so utilized, then within four months after termination of said mining operations, Lessee will pay Lessor the difference between the amount theretofore so paid or credited and said \$300.00 per acre. As to every surface acre covered hereby which Lessee does not actually mine, use or occupy, as stated above, but as to which Lessee's mining, utilization and occupancy of other lands covered hereby should effectively prevent and deprive Lessor of the use thereof, this same \$300.00 per acre surface use provision shall be fully applicable thereto. The completion of mining as used herein shall be deemed to be the completion of mining on the lands covered by this lease.

Lessor agrees that payment of the above shall also be complete compensation for the damage to and use of each such acre so mined or utilized and/or any damage for depriving Lessor the use of each such acre, either before, during, or after said mining or mining operations, but this shall not relieve Lessee of the obligation to comply with Paragraph 8 hereof.

In addition to all other payments provided for herein, Lessee shall pay Lessor the reasonable fair market value of any house, barn, or other fixtures and personal property of Lessor situated on said land and destroyed or rendered useless by Lessee's operations hereunder.

5. Lessee may surrender and release this lease at any time as to all or part of said land, upon the payment to Lessor of any sums of money that may be due and payable under the terms hereof to Lessor at the time of such surrender or release, and Lessee shall thereafter be released from all further payments (including payments of rentals and advance royalty) insofar as the land surrendered is concerned, and the rental, advance royalty, production royalty, or other payments herein provided to be paid Lessor shall be proportionately reduced, and thereafter calculated on the number of acres remaining subject to this lease. Such release shall be effective when filed for record in the appropriate county records where the land is situated. Any such release shall not exhaust the right of the Lessee to thereafter release additional acreage. Any advance royalty attributable to land subsequently released shall nevertheless be deductible from and credited against any future royalty due for production from any land remaining subject hereto as provided herein. Lessee may release its mining rights as aforesaid but retain its rights to surface use in connection with mining operations on other lands so long as Lessee pays Lessor an annual rental in the amount provided for above in paragraph numbered 2, and the appropriate payment provided for in paragraph 4 hereof, in proportion to the amount of surface used for such surface rights.

6. All payments provided for herein, may be made by Lessee's check or draft mailed or tendered to Lessor at the address shown above, or at Lessee's election, may within the time specified in this lease, be mailed or tendered to the credit of Lessor at \_\_\_\_\_

City Bank

Bank at St. Louis, Mo 63115

or its successors, which bank is the Lessor's agent and shall continue as the depository for all payments hereunder regardless of changes in ownership of said land or the payments accruing hereunder. Notwithstanding the death of Lessor, or any of them, or his or their successors, the payment or tender of rentals, advance royalty and royalties in the manner herein provided shall be binding on the heirs, devisees, executors and administrators of such persons. If such bank (or successor bank) should fail, liquidate, or refuse to accept any payment tendered hereunder, Lessee or his assigns shall not be held in default for failure to make such payments until thirty (30) days after Lessor shall deliver to Lessee or his assigns, a recordable instrument naming another bank as agent to receive such payments.

7. While this lease is in effect, Lessee may enter upon said land and construct and use thereon such buildings, equipment, machinery, utility lines, roads, railways, and other facilities necessary or desirable for mining, treating, removing, storing, processing, and transporting coal and lignite from said land and other property; make all excavations, ditches, drains, dams, ponds, and other alterations necessary or desirable for mining by stripping or otherwise remove, store and deposit all material, soil, rocks, and other overburden overlying the coal and lignite and all coal and lignite which Lessee, in its discretion deems to be uneconomical to mine, and take and use any rocks, sand, clay, gravel, or timber desirable in conducting mining operations, or constructing, maintaining or repairing roads, railways, conveyor lines and other transportation and mining facilities used or useful for mining operations. These rights may be exercised by Lessee in order to reach or conduct mining operations on said land and/or other lands mined or to be mined by Lessee, and Lessee may exercise such rights so long as mining is conducted on any such property. If Lessee's rights terminate as a result of release, end of primary term, cessation of mining operations, or otherwise, Lessee shall, nevertheless, have the right to surface use of the leased premises in connection with mining operations on other lands under control of Lessee upon paying Lessor annual rentals in the amount provided for herein for the portion of the land so used and paying the appropriate payment provided for in Paragraph 4 hereof. Within six (6) months after abandonment of mining on any such property, Lessee may remove all machinery, buildings, equipment and other facilities.

If any commercial gravel from the land covered hereby is removed from said land and utilized by Lessee for roads, construction or other operations of Lessee on any lands not covered hereby, then in addition to any other payments provided for herein, Lessee shall pay Lessor the reasonable market value for said gravel.

8. After termination of this lease, Lessee shall within a reasonable time fill and level any excavation or pit resulting from mining and shall grade and smooth all deposits of earth, rock and other material resulting from mining so as to reasonably eliminate any surface irregularities caused by such mining, but in so doing shall not be required to bring in fill material from other land and shall not be required to return the premises to its exact original contour or elevation. Lessee agrees that as a part of said backfilling and levelling, it will also reseed the surface of said land that is back-filled and levelled with grass suitable for grazing, but in any event the type of grass shall be no less than the kind and quality thereon at the time mining is commenced thereon. Lessee shall notify Lessor of its intention to mine the leased land or any part thereof not less than 120 days in advance of the commencement of such operations in order to provide Lessor a reasonable time to dispose of, salvage or remove growing crops, timber and improvements. Written notice to Lessor in care of the depository bank named and deposited in the United States Mail with postage paid within said time shall satisfy this notice requirement.

9. This lease shall not terminate because of default of Lessee unless Lessor gives Lessee written notice of such default. Lessee shall have sixty (60) days after receipt of such notice to begin and thereafter diligently complete operations to cure such default. There shall be no obligation or implied covenant on Lessee to begin or prosecute mining operations on said land, nor to mine and remove coal or lignite thereon.

If, after mining has begun on said land, mining shall cease for any period of ninety (90) consecutive days, this lease shall not terminate if Lessee resumes payment of said rental, or advance royalty (whichever would then be applicable), or mining, on or before the rental paying date next ensuing after the expiration of thirty (30) days following such ninety (90) day period. The exercise by Lessee of this right to recommence mining, or rental or advance royalty payments, may be exercised on each occasion that mining shall so cease.

Mining shall not be deemed to have "ceased" and it shall be deemed that coal or lignite is being mined if mining or mining operations are suspended for any period of less than ninety (90) days or are prevented or prohibited by law, governmental regulation, restraint, or court order, by inability to obtain permits, equipment, material, power or fuel, by strike, lock-out or industrial disturbance by failure of carriers to transport or furnish facilities for transportation, by operation of force majeure (including, without limitation, flood, lightning, earthquake, fire, storm, washout), by breakage or accident to machinery or facilities or by any cause beyond Lessee's control, provided that Lessee shall exercise due diligence to resume mining operations.

If any land herein described is subject to mineral deed, lease or other instrument entitling other persons to mine said land for coal or lignite, or to claim such right or in the event of dispute as to such right or as to title, or right to rental, royalty, or advance royalty payments, any such payments may be deposited in escrow with the depository bank herein specified to be held until such lease, mineral deed or other instrument has been released, expired or canceled as to such land, or until such dispute is determined; any sums so deposited in escrow by Lessee shall be deemed payment of rental, royalty, or other sums due hereunder.



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10. The rights of either party hereunder may be assigned in whole or in part and the provisions hereof shall extend to the heirs, executors, administrators, successors and assigns but no change or division in the ownership of the land or any payments provided for hereunder, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee, and shall not be binding upon Lessee until sixty (60) days after Lessee or his assignee has been furnished the recorded instruments or certified copies thereof evidencing such change or division in said ownership and constituting the chain of title from the original Lessor.

11. Lessor warrants and agrees to defend the title to said land and agrees that Lessee at its option may discharge any tax, mortgage, or other lien upon said land and in event Lessee does so, it shall be subrogated to such lien with the right to enforce same and apply rentals and advance royalty and royalties and other payments accruing hereunder toward satisfying same. Without impairment of Lessee's rights under the warranty in event of failure of title, it is agreed that if Lessor owns less than the entire undivided interest in all or any part of the lands or the coal and lignite, whether such interest is herein specified or not, then the rental, advance royalty, royalties and other payments herein provided for shall be reduced proportionately and paid to said Lessor only in the proportion that his interest bears to the whole and undivided fee, and all outstanding royalty shall be deducted from those herein provided. Failure of Lessee to reduce rentals or advance royalty shall not affect Lessee's rights to reduce royalties.

12. Lessee agrees to indemnify and hold Lessor harmless against any claims, demands or causes of action by third parties and by agents and employees of Lessee caused by the exercise by Lessee of any rights hereunder on the land described herein, unless such claim, demand or cause of action is due to the willful misconduct or gross negligence of Lessor.

This lease shall be binding on all who execute it whether or not named in the body hereof as Lessor and without regard to whether this instrument shall be executed by any of the other persons named as Lessor herein.

IN WITNESS WHEREOF, this instrument is executed on the date first above written.

*Raymond Collier Sr.*

Raymond Collier, Sr.

ss# 497-09-9143

*Lucy Collier*

Lucy Collier

ss# 494-26-2341

Elie Collier

*Elie Collier*

ss# 196-18-9193

Edna Collier

*Edna Collier*

ss# 331-24-3715

COUNTY OF

BEFORE ME,

Notary Public in and for the County of

and State of Texas, on this day personally appeared Raymond Collier, Sr. et uxLucy Collier & Elie Collier et ux Edna Collier

known to me to be the person S, whose name S subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office on this the

30

day of

Sept

A. D. 19

76

Notary Public in and for St. Louis County, Texas

## Coal and Lignite Lease

No.

FROM

TO

Dated 22, 19No. Acres 2.3

County, Texas

Term

This instrument was filed for record on the

day of 19, ato'clock 6 M., and duly recorded inBook 2 Page 11

of Records of this office

County Clerk.

By

Deputy.

When Recorded return to

ROBERT CARGILL

P. O. Box 1166

Longview, Texas 75601

STATE OF TEXAS  
COUNTY OF HARRISON

I hereby certify that this instrument was FILED in  
File Number Sequence of the date and at the time stamped  
hereon by me; and was duly RECORDED. In the Official  
Public Records of Real Property of Harrison County, Texas on



NOV 10 1976

Robert Cargill  
COUNTY CLERK  
HARRISON COUNTY, TEXAS

## THE STATE OF TEXAS,

COUNTY OF

BEFORE ME,

Notary Public in and for the County of

and State of Texas, on this day personally appeared

known to me to be the person whose name subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office on this the

day of

A. D. 19

Notary Public in and for County, Texas

"NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER."

COAL AND LIGNITE LEASE

THIS LEASE, dated the                      day of                      ,                      between

"Lessor" (whether one or more) whose address is  
  
and **Southwestern Electric Power Company, Individually and as Agent for Northeast Texas Electric Cooperative, Inc. and for Oklahoma Municipal Power Authority**, "Lessee", whose address is 2396 FM 3251, Hallsville, Texas, 75650,

WITNESSETH:

1.            For TEN DOLLARS and other valuable consideration, receipt of which is acknowledged, and the covenants and agreements of Lessee herein, Lessor grants, leases and lets unto Lessee the land described below and all lignite and coal and their constituent products, and substances contained therein or found in association therewith, and substances encountered in mining operations conducted hereunder (collectively called "lignite"), in, on or under the land described below for the purposes described in this lease, and with the exclusive right to enter upon, investigate, explore, prospect by core drilling, excavating or otherwise, to mine (by any method now or hereafter known), conduct mining operations, strip mine, produce, transport, store and remove such lignite, and the right to accessory privileges and easements, and other rights useful to mining operations conducted by Lessee thereon, or on any other lands, the following land (herein called "said land") in Harrison County, Texas:

For calculating all payments hereunder, said land shall be treated as comprising                      acres, whether more or less. All land and lignite (as above described) owned by Lessor adjacent or contiguous to said land is included herein as a part of said land. Lessor excepts its oil, gas and mineral rights except lignite, as defined above. Future leases and conveyances are hereby subordinated to Lessee's rights herein, and Lessee herein shall have exclusive surface possession during mining operations.

The terms "mine," "mining operations," and similar terms and rights herein granted include, but are not limited to, the filing of a Mine Plan or other permitting documents for the removal of lignite; the reclamation of said land and subsequent release of reclamation bond; operations for opening, reworking, deepening, extending or repairing a mine; the removal, gasification and/or any other use, treatment or handling of lignite; all other operations incidental to mining or recommenced mining operations in an effort to obtain or re-establish the removal of lignite; all construction work, studies, reports and other activities necessary to obtain approval of mining and reclamation activities; the immediate and continuing right to enter said land and explore, test and mine by methods Lessee deems reasonable to ascertain environmental conditions and the quantity and quality of lignite; the right to construct, operate and use on said land such buildings, equipment, machinery, power, telephone and utility lines, roadways, railways, pipelines, conveyors, water wells and all other facilities and equipment necessary or desirable for mining, producing, treating, storing, processing and transporting lignite from, across, or to said land and/or other lands mined or to be mined by Lessee; the right to relocate all utilities, pipelines, roads or other hindrances to mining operations to other locations on said land, or to or from other lands within the general area; the right to construct all excavations, canals, dams, ponds, lakes, changes in water courses and other alterations and improvements on said land or within the general area as are necessary or desirable for mining or mining operations; the right to store, use, stockpile, remove, market or sell lignite and dispose of waste materials on said land resulting from mining on said land and/or on other lands mined or to be mined by Lessee, or from power plant operations; the right to use, store, remove or deposit rocks, sand, clay, soil, gravel, timber, surface or underground water developed or hereafter discovered, in or upon said land or other land in connection with mining operations within the general area without further compensation except as provided in this lease; the right of ingress and egress, to and from adjoining lands; and the right in Lessee's discretion by any methods now or hereafter known, to exercise all rights which are desirable in conducting activities permitted or required by this lease.



2. Lessee shall pay Lessor as annual rental for this lease, on or before the first anniversary date hereof, a sum of money equal to ONE DOLLAR per acre for each acre of Lessor's lignite (meaning lignite as to which Lessor owns the leasing rights and the right to receive rentals therefor) covered hereby at the time such payment is due, and an amount calculated in the same manner on or before each succeeding eight (8) such anniversary dates thereafter, and commencing with the tenth (10th) anniversary date hereof, an amount (as "advance royalty" to be credited against future royalty attributable to production under the terms hereof) equal to TEN DOLLARS per acre for each acre of Lessor's lignite (meaning lignite as to which Lessor owns the right to receive royalty therefor) covered hereby at the time said payment is due and an amount calculated in the same manner on or before each succeeding anniversary date thereafter unless mining operations for lignite have been commenced on said land, or until this lease is released in whole or in part, as hereinafter provided. So long as this lease is in effect, Lessee shall pay Lessor the rental or advance royalty herein specified. When mining operations on said land commence, Lessee may cease said rental and advance royalty payments. So long as mining operations are being conducted on said land, or this lease is otherwise extended, this lease shall remain in full force and effect until released.

Notwithstanding anything to the contrary herein, if mining operations have not been commenced (or if heretofore commenced, such operations or renewed or additional operations are not hereafter conducted), by or for Lessee or any optionee or successor owner of this lease in whole or in part, on said land or within a six-mile radius of the southwest, corner of the Wm. Watson Survey, A-748, Harrison County, Texas, on or before the 15th anniversary date of this lease, this lease shall terminate.

3. Lessee shall pay Lessor as royalty the sum of TWELVE HUNDRED FIFTY DOLLARS (\$1,250.00) per acre foot for every acre foot of Lessor's lignite mined and removed from said land.

Such royalty shall be due within thirty days after the end of each calendar quarter within which lignite has been mined and removed from said land.

When mining operations commence or continue, involving any part of said land, all advance royalties paid pursuant to this lease may be deducted by Lessee commencing with first production from said land from one-half of the amount due as royalty for lignite actually mined from said land, until such time as all amounts thus credited and deducted shall equal the amount of all advance royalty payments made pursuant to this lease, including those made to the original Lessor and its heirs, successors and assigns.

4. Lessee agrees to pay, or cause to be paid, to Lessor as a minimum royalty, surface damage and surface use payment, TWENTY-FIVE HUNDRED DOLLARS for each surface acre of said land owned by Lessor within any mine or strip mine from which lignite is removed pursuant to this lease. Within four months after the mining and removal of lignite has been completed on one of the tracts of land described in this lease (as evidenced by certificate of the mining company conducting the mining), the surface acres so utilized shall be measured, and if Lessor has not theretofore been paid or credited, from royalty, advance royalty, and/or the surface use and damage payment provided for in the next succeeding paragraph, an amount equal to at least TWENTY-FIVE HUNDRED DOLLARS for each such surface acre within any such mine or strip mine, Lessee will pay to Lessor the difference between the amounts theretofore so paid or credited and said TWENTY-FIVE HUNDRED DOLLARS per acre.

For each surface acre of said land owned by Lessor which was not within a mine or strip mine from which lignite was removed, Lessee agrees that it will pay, or cause to be paid, to Lessor THREE HUNDRED DOLLARS for each such surface acre utilized by Lessee for any stock pile, equipment, storage, building, dump, road, railway, lake or other facility utilized by Lessee in mining operations, and for each such surface acre which Lessee's mining or use of other lands effectively deprives Lessor of the use thereof. Within four months after the mining and removal of lignite has been completed on one of the tracts of land described in this lease (as evidenced by certificate of the mining company conducting the mining), the surface acres so utilized shall be measured, and if Lessor has not theretofore been paid or credited from the surface damage and surface use payments provided for in this ¶ 4 an amount equal to at least THREE HUNDRED DOLLARS for each such surface acre so utilized, Lessee will pay Lessor the difference between the amount theretofore so paid or credited and said THREE HUNDRED DOLLARS per acre. Lessor agrees that the minimum royalty, surface damage and surface use payments provided in this ¶ 4 (herein called "surface use payments") shall be complete compensation for the damage, if any, to and use of each and every acre mined or utilized and/or any damage for depriving Lessor of the use of each such acre, either before, during, or after said mining operations, but this shall not relieve Lessee of the obligation to comply with ¶ 11 hereof.

A Lessor that owns both the surface of a tract of land described in this lease and the right to receive advance royalty payments and production royalty payments hereunder shall have the option to request and be paid, in lieu of and in substitution for said THREE HUNDRED DOLLARS per acre portion of the "after mining" surface use payments, an advance royalty payment (prior to mining, use or possession of said land by Lessee) of THREE HUNDRED DOLLARS per acre for each surface acre owned by Lessor and described in the written notice to Lessor provided for in ¶ 6 hereof, provided that such Lessor executes a recordable amendment specifying that said advance payment shall be an advance royalty payment to be applied, credited and recouped in accordance with ¶ 3 and ¶ 4 of this lease, and shall be full compensation for the damage to, and use of each acre described in such written notice to Lessor to be mined, utilized or occupied, and as damage for depriving Lessor of the use of each such acre, either before, during or after said mining operations.

In addition to other payments, Lessee shall pay Lessor the reasonable fair market value of any house, barn and other fixtures owned by Lessor situated on said land, presently or hereafter, that are destroyed or rendered useless by Lessee's operations hereunder, except those placed thereon after Lessee has mailed or delivered to Lessor written notice that mining operations hereunder are proposed as provided for in ¶ 6 herein.

5. Lessee may release this lease at any time as to all or part of said land, provided that Lessee pays to Lessor any money then due and payable under the terms hereof to Lessor, and Lessee is thereafter released from all further payments and obligations (including without limitation payments of rentals and advance royalty) insofar as the land surrendered is concerned, and the rental, advance royalty, production royalty, or other payments herein provided to be paid Lessor shall thereafter be calculated on the number of acres remaining subject to this lease. Such release shall be recorded in the Harrison County Deed Records. Lessee may thereafter release additional acreage. Any advance royalty attributable to land released shall nevertheless be deductible from and credited against any future royalty due for production from any land remaining subject hereto as provided herein.

Notwithstanding anything to the contrary in this lease, and even if mining and removal of lignite from said land has ceased, or not commenced, Lessee shall have the right to surface use of said land for mining operations on other lands under control of Lessee upon paying Lessor, or the recommencing of the payment to Lessor, of the annual rentals provided in ¶ 2 for time prior to the 10th anniversary of the date of this lease, or the annual advance royalty provided for in ¶ 2 for time commencing with said 10th anniversary (whichever is applicable), and the appropriate payment provided for in ¶ 4 hereof, in proportion to the amount of surface so used.

6. Lessor acknowledges that mining of lignite on said land may never take place, and if conducted may be deferred or interrupted for many years. Mining operations may require that Lessee take exclusive possession of all or part of said land. At such time, or from time to time, Lessee shall give Lessor written notice of its intent to take possession of all or part of said land, and such notice shall not be less than 120 days in advance of actual needs, so as to provide Lessor time to salvage or remove growing crops, timber, sand, gravel, clay and improvements then located thereon.

7. Notwithstanding anything to the contrary in this lease, neither party intends that this lease will terminate or be cancelled because of any clerical error, oversight, unintentional mistake or other default in the administration, operation, or maintenance of this lease and/or said land and/or any payments due hereunder, including, but not limited to, rentals, advance royalty, production royalty,

and other payments provided for in this lease. This lease shall not terminate because of any such default, and Lessor shall give Lessee written notice of any default it believes has occurred, whereupon Lessee shall have 60 days after receipt of such notice to make or tender such payment that is found to be due and/or begin such operations or take such action to cure any default that is found to exist. There shall be no obligation or implied covenant for Lessee to begin mining operations on said land, nor to mine, remove or sell lignite therefrom, nor to continue the mining, removal or sale of lignite once operations have begun. If Lessee mines lignite from said land, it shall have the right to mine such lignite that in its opinion can be mined and utilized at a cost competitive with other fuel sources for Plant or other plants, and it shall have no duty to mine, utilize or pay royalty on lignite which Lessee does not mine or utilize because Lessee deems it to be uneconomical or unsuitable.

If, after mining operations have begun on said land, mining operations shall cease for any period of 180 consecutive days, Lessee may resume the payment of said rental, or advance royalty (whichever would then be applicable), or mining operations, on or before the rental/advance royalty payment date next ensuing after the expiration of 30 days following such 180 day period. The exercise by Lessee of this right to recommence mining operations, or rental or advance royalty payments, may be exercised on each occasion that mining operations shall so cease.

Mining and mining operations shall not be deemed to have ceased if mining or mining operations are suspended for any period of less than said 180 days, or are prevented or rendered impractical by law, governmental regulation, restraint, war, insurrection, terrorism, or court order, by inability to obtain permits, equipment, material, power or fuel, by strike, lock-out or industrial disturbance, by failure of carriers to transport or furnish facilities for transportation, by operation of force majeure (including, without limitation, flood, lightning, earthquake, fire, storm or washout), by breakage or accident of machinery or facilities or by any cause beyond Lessee's control.

If any of said land is now or hereafter subject to conveyance, lease or other instrument entitling others to mine said land for lignite, or to claim such right or there is a dispute as to such right or as to title, or right to rental, royalty, advance royalty and/or other payments, any such payments may be deposited in escrow with the depository bank herein specified or in the Southwestern Electric Power Company's insured non-interest bearing escrow or suspense account, or, at Lessee's election may be interpled in the proper court of Harrison County, Texas, in an appropriate interpleader action, in each event to be held until such lease, conveyance or other instrument has been released, expired or canceled as to said land, and/or until such dispute is resolved; any sums so deposited in escrow or in suspense or interpled by Lessee shall be deemed payment of rental, advance royalty, royalty, or other sums due hereunder.

8. The rights of either party may be assigned in whole or in part and the provisions hereof shall extend to their heirs, executors, administrators, successors and assigns, but no change or division in the ownership of said land or any payments provided for hereunder, however accomplished, shall operate to enlarge the obligations or diminish the rights of Lessee.

9. Lessor warrants and agrees to defend the title to said land and agrees that Lessee at its option may discharge any tax or other lien against said land and if Lessee does so, it shall be subrogated to such lien with the right to enforce same and apply any payments accruing hereunder towards satisfying same. Without impairment of Lessee's rights under the warranty in the event of failure of title, it is agreed that if Lessor owns less than the entire undivided interest in all or part of said land or the lignite, lignite royalty or lignite leasing rights, whether such interest is herein specified or not, then the rental, advance royalty, minimum royalty, production royalty and other payments herein provided for shall be reduced proportionately and paid to said Lessor only in the proportion that his interest bears to the whole and undivided fee title to said land, lignite royalty and leasing rights to said lignite, and all outstanding royalty and other rights to receive payments shall be deducted from those herein provided. Failure of Lessee to reduce rentals, advance royalty, or other payments shall not affect Lessee's right to reduce production royalties.

In this lease, references to "each acre of Lessor's lignite" and/or to "lignite leasing rights" mean, for example, that if Lessor owns all lignite and all lignite leasing rights under a 100 acre tract, it owns 100 acres of lignite and lignite leasing rights thereunder, and if Lessor owns 1/2 or an undivided 1/2 of the lignite and lignite leasing rights under a 100 acre tract, it owns 50 acres of lignite and lignite leasing rights thereunder. The owner of lignite leasing rights is a party that has the right to execute lignite leases (and to receive rentals from said lease) granting mining rights to a lessee whereby such lessee shall have the legal right to mine lignite. The owner of lignite and the royalty attributable thereto is the party entitled to advance royalty and production royalty.

10. No assignment, transfer, conveyance or change of ownership of any interest of Lessor in said land and/or under this lease shall be binding upon Lessee until 60 days after Lessee has received the recorded documents or certified copies thereof evidencing such change of ownership and constituting the chain of title from the original Lessor, and a transfer order executed by the former owners and then present owner, which documents evidence to Lessee's satisfaction the agreement of the then former and present owners as relates to their respective rights to payments, notices, and other rights under this lease. Lessee shall have the right to either withhold payments due hereunder until 60 days after it receives such documentation, or to continue to make all such payments due under this lease either to Lessor or to Lessor's account in the depository bank, or to such other depository bank as designated in a subsequent recordable instrument acceptable to Lessee, or at the discretion of Lessee to pay or tender same for deposit in Southwestern Electric Power Company's insured non-interest bearing escrow or suspense account any payments due under this lease jointly and/or to the joint account of the parties to such change of ownership without apportionment or allocation, and such joint payments shall be deemed as proper discharge of Lessee's payment obligations hereunder.

11. Within 24 months after completion of all mining and mining operations on a tract of land described in this lease (as evidenced by certificate of the mining company conducting such mining) Lessee shall commence and thereafter continue with diligence to fill and level any excavation or pit resulting from mining and shall grade all deposits of earth, rock and other material resulting from mining, but shall not be required to bring in fill material from other land and shall not be required to return the premises to its original contour or elevation. Lessee agrees that as a part of said work, it will either

- (a) reseed the surface of said land that is back-filled and leveled with grass suitable for grazing, and of a type of no less quality than the kind thereon at the time mining commenced thereon; or
- (b) plant pine seedlings on the surface of said land that is back-filled and leveled.

During or within 12 months after this lease is released, Lessee may remove all machinery, buildings, equipment and other facilities of Lessee or its contractors from said land.

12. All payments provided for herein may be made by check or draft of Lessee or any agent of Lessee mailed or tendered to Lessor at the address shown above, or at the BANK at (or any alternate bank designated in writing by all Lessors), or its successor, which bank is Lessor's agent and shall continue as the depository for all payments and notices to Lessor hereunder regardless of changes in ownership of said land or the payments accruing hereunder. Regardless of how ownership may change, the said mailing, payment or tender of rentals, advance royalty, production royalty and/or surface use and other payments herein provided shall be binding on Lessors and their heirs, devisees, executors, administrators, successors and assigns and there shall be no duty of Lessee to allocate payments to respective successors or assigns of Lessor.

All notices to be given to Lessor may be mailed or delivered to Lessor either at the above address or said bank named above, or its successor, as agent for Lessor, and said bank shall continue as Lessor's agent regardless of changes of ownership. The mailing or delivery of notices to Lessor in such manner shall be binding on the Lessor, its heirs, successors and assigns.



If such bank (or successor bank) should fail, liquidate or refuse to accept any payment or notice tendered hereunder, Lessee shall not be required to make such payments or give such notice until 60 days after Lessee has received from Lessor a recordable instrument naming another bank as agent to receive such payments and notices.

Lessor grants unto Lessee the preferential right and option to purchase any lignite rights and/or surface rights affecting said land on the same basis and for the same price as contained in a good-faith acceptable offer by a third party while this lease is in effect. If Lessor receives such acceptable offer, Lessor shall notify Lessee in writing of all details including identity of the offering party, price and terms, and Lessee shall have 30 days after receipt thereof to exercise such right and option. This option shall be binding upon, and inure to the benefit of the parties hereto, their heirs, successors and assigns, but shall not apply to any intra-family estate planning transfers.

13. Unless Lessee consents thereto in writing, Lessor agrees that any partition of the surface of said land and/or the lignite and/or lignite royalty and/or leasing rights therein shall not partition the rights of Lessee to mine lignite from said land, nor otherwise adversely affect or increase the burden on Lessee's lignite mining rights and lease maintenance thereto or prevent Lessee from mining any part of said land, and said land is so restricted during the time that this lease is in force.

14. This lease merges all prior negotiations and understandings and embodies the entire agreement of the parties. There are no other agreements, representations, conditions or other understandings with respect to the subject matter hereof, and this lease binds and shall inure to the benefit of Lessor and Lessee and their respective heirs, representatives, successors and assigns, whether or not named above, without regard to whether this lease is executed by any of the other persons named as Lessor, and this lease may be executed in any number of counterparts with the same effect as if all parties signed the same document.

EXECUTED the date first set out above.

\_\_\_\_\_  
  
\_\_\_\_\_

STATE OF  
  
COUNTY OF

This instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ by

(Seal) \_\_\_\_\_  
Notary Public for the State of  
  
My Commission Expires: \_\_\_\_\_  
Notary's Printed Name

STATE OF  
  
COUNTY OF

This instrument was acknowledged before me on the \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ by

(Seal) \_\_\_\_\_  
Notary Public for the State of  
  
My Commission Expires: \_\_\_\_\_  
Notary's Printed Name



Southwestern Electric  
Power Company  
2396 FM 3251  
Hallsville, TX 75650  
SWEPCO.com

July 20, 2012  
SW-8311

Mr. Rick Ziegler, President  
The Sabine Mining Company  
6501 Farm Road 968 West  
Hallsville, TX 75650-7413

Re: The Sabine Mining Company  
Authorization to Access and Utilize Property  
(Permit No. 02538)

Dear Mr. Ziegler:

Southwestern Electric Power Company ("SWEPCO"), a subsidiary of American Electric Power Company, hereby authorizes The Sabine Mining Company ("Sabine") to access and utilize property owned, leased or controlled by SWEPCO for purposes of operating the South Hallsville No. 1 surface lignite mine in Harrison County, Texas. The authorization includes, but is not limited to, the construction, operation, maintenance and reclamation of surface mining-related waste water treatment ponds and facilities, as necessary to comply with applicable regulatory requirements and permit conditions for a Texas Pollutant Discharge Elimination System Permit.

Sincerely,

*Gregory A. Wright*  
*by [Signature]*

Gregory A. Wright  
Director, Land & Mineral Development

GAW/tb

xc: R. L. Benson  
J. H. Garrett



Southwestern Electric  
Power Company  
2396 FM 3251  
Hallsville, TX 75650  
SWEPCO.com

July 10, 2020

Mr. Richard A. Hyde  
Executive Director  
Texas Commission on Environmental Quality  
MC-109  
P.O. Box 13087  
Austin, Texas 78711-3087

**Re: The Sabine Mining Company  
Authorization to Access and Utilize Property  
(Permit No. WQ0002583000)**

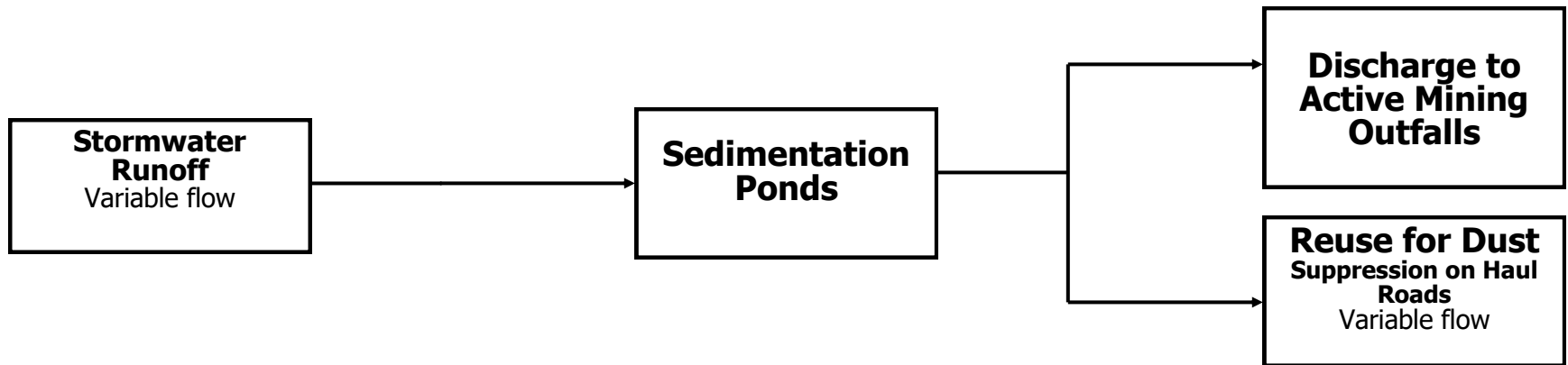
Dear Mr. Hyde:

Southwestern Electric Power Company ("SWEPCO"), a subsidiary of American Electric Power Company, hereby notifies you that it has authorized The Sabine Mining Company ("Sabine") to access and utilize property controlled by SWEPCO for purposes of operating the South Hallsville Mine No. 1 surface lignite mine in Harrison County, Texas. The authorization includes, but is not limited to, the construction, operation, maintenance and reclamation of surface mining-related wastewater treatment facilities, as necessary in order to comply with applicable regulatory requirements and permit conditions for Texas Pollutant Discharge Elimination System Permit No. WQ0002583000.

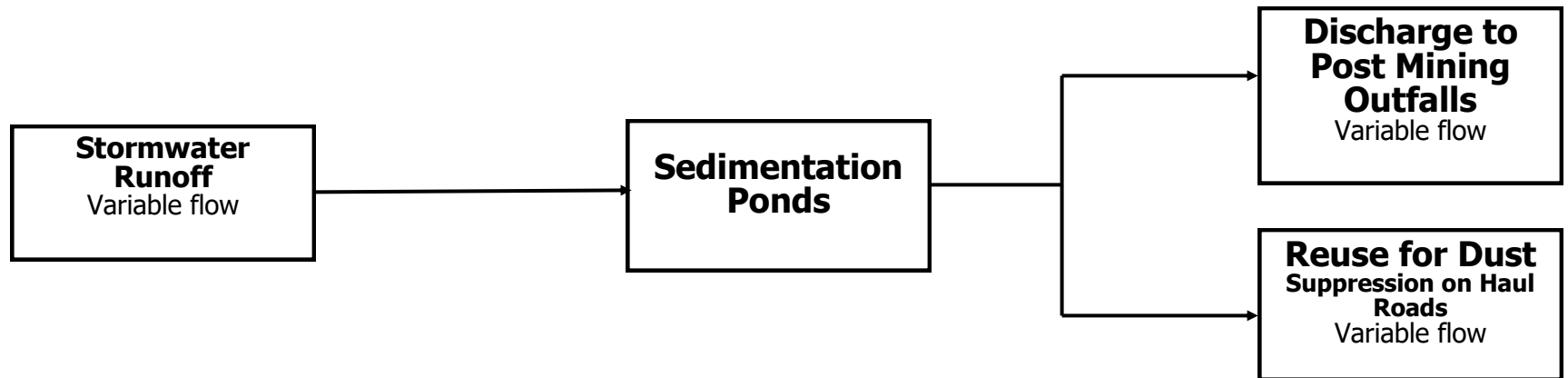
Sincerely,

By: Dennis J. Meyer  
Director, Land & Mineral Development  
Southwestern Electric Power Company

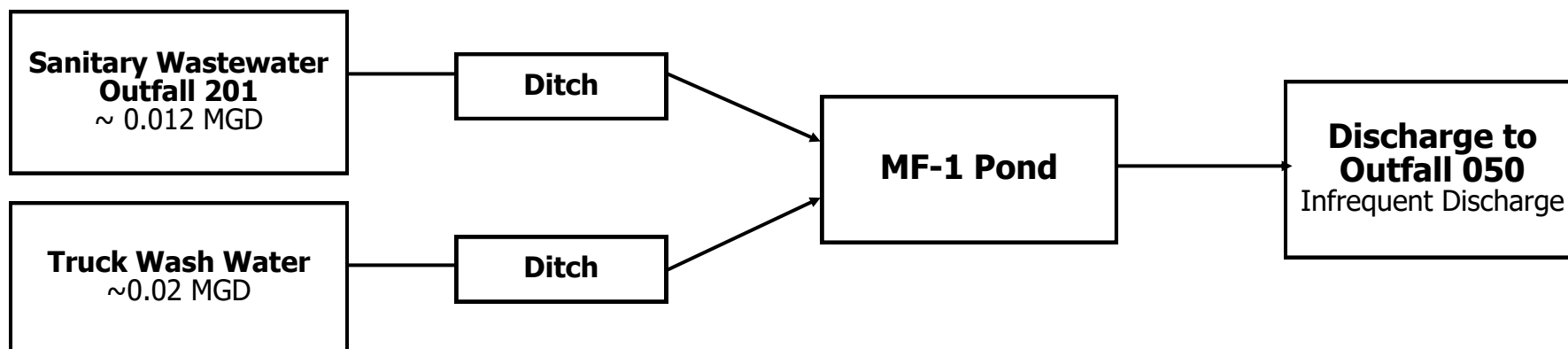
## Active Mining Area



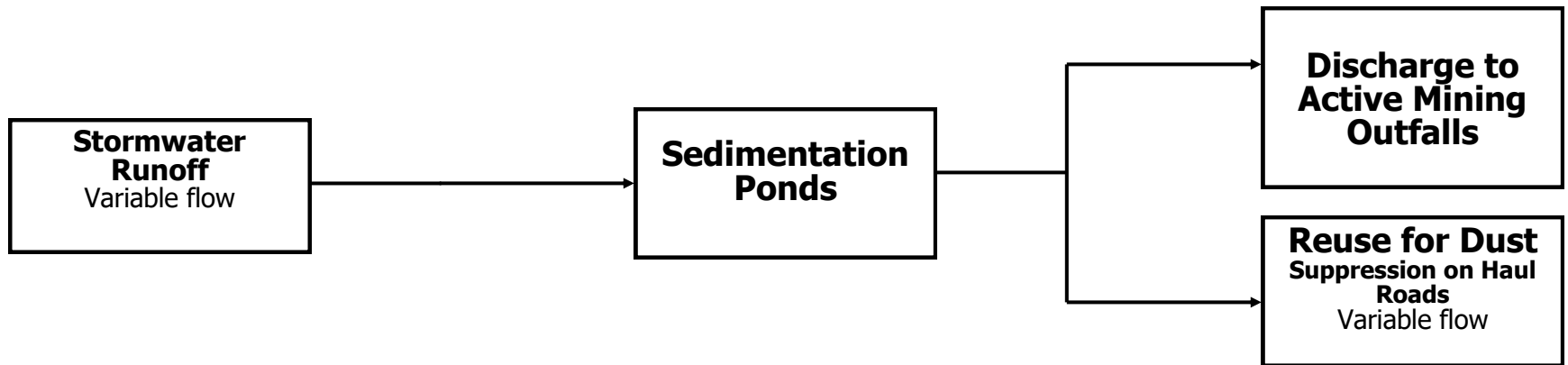
## Post Mining Area



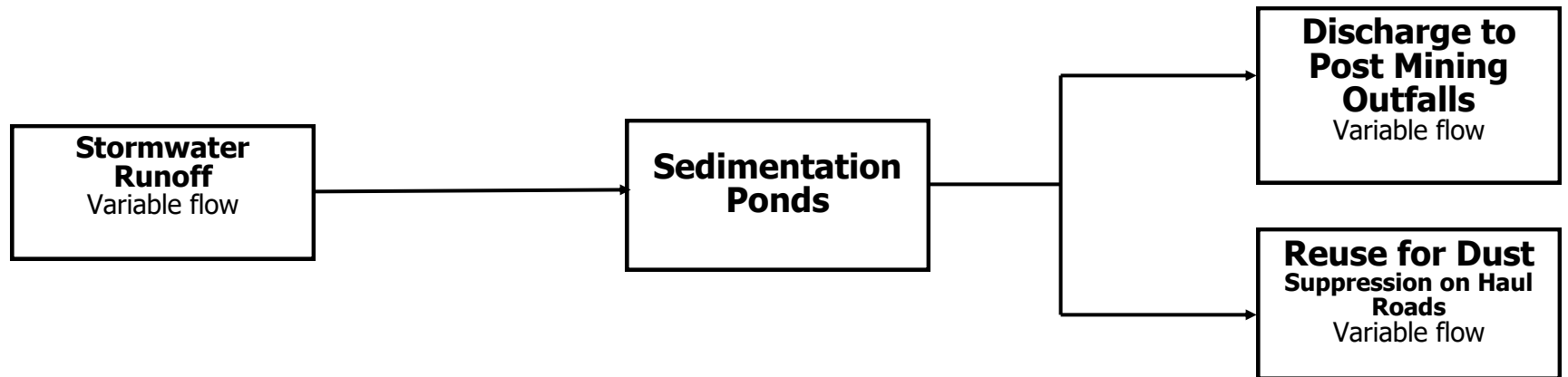
## Sanitary Sewage Wastewater Flow Diagram



## Active Mining Area

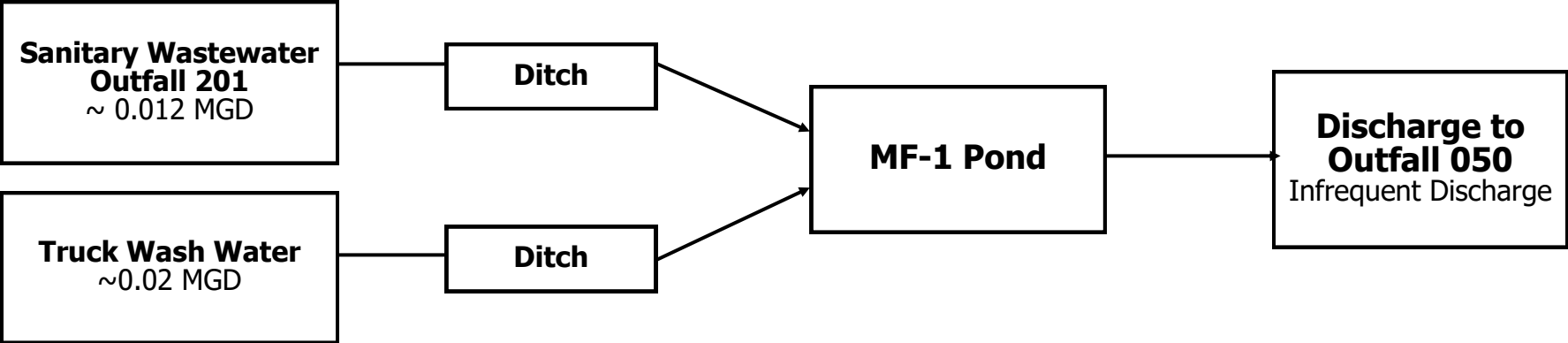


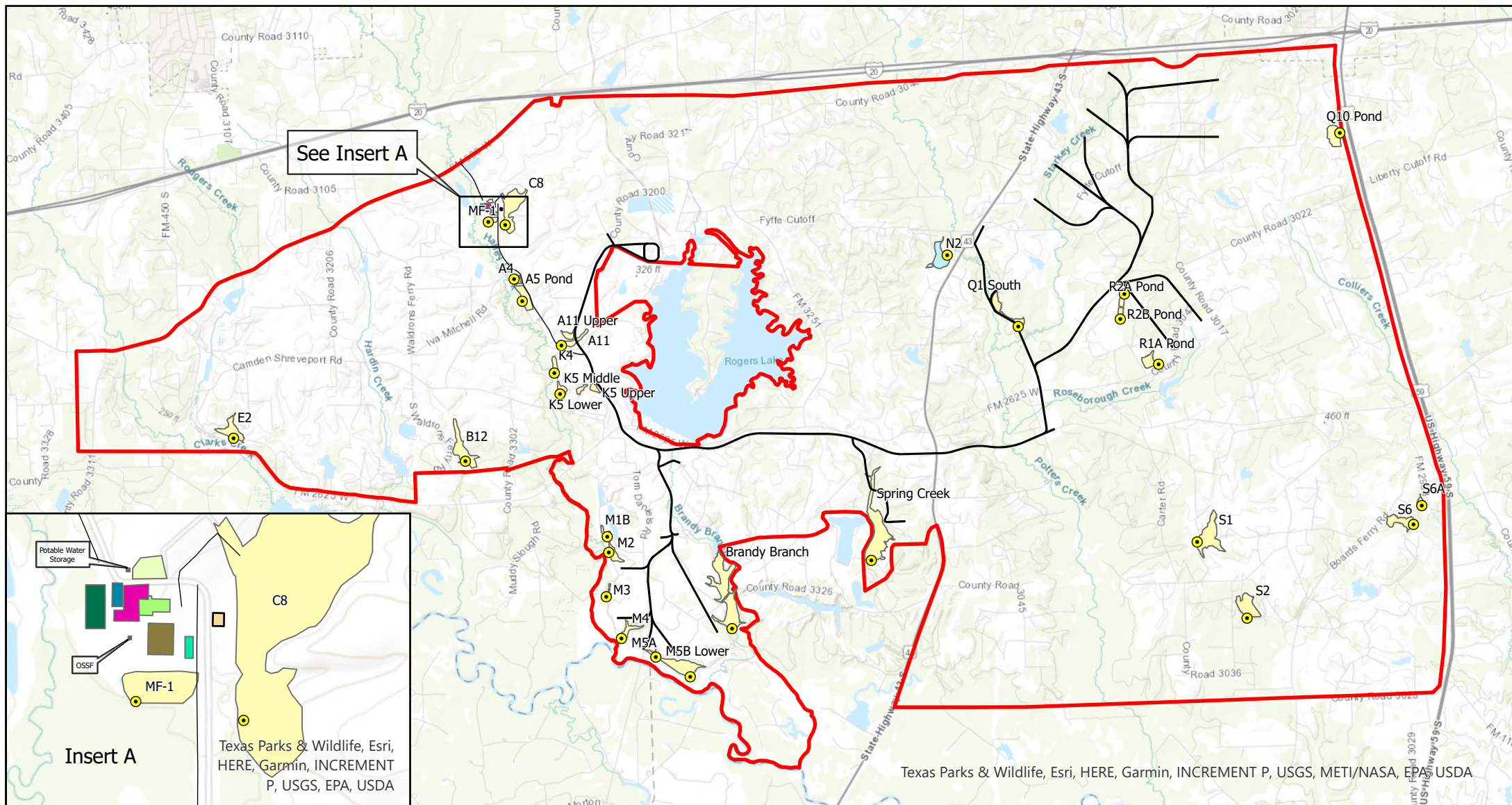
## Post Mining Area





**Sanitary Sewage Wastewater Flow Diagram**





## Legend

- ▬ Permit Boundary
- Outfalls
- Haul Roads

### Ponds

- Active
- Postmining
- Wash Area
- Fuel Station

- Shop
- Shop Parking
- Office
- Equipment Parking
- Main Parking Lot
- OSSF
- Storage Area
- Potable Water Storage

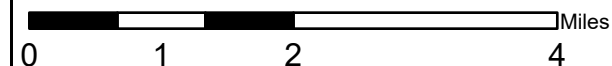
Spatial Reference  
Name: NAD 1927 StatePlane  
Texas North Central FIPS 4202  
PCS: NAD 1927 StatePlane Texas  
North Central FIPS 4202



Facility Map  
The Sabine Mining Company  
South Hallsville No. 1 Mine - South Marshall Area



Location:  
Center: 94°28'10"W 32°26'4"N



November 2025