



Administrative Package Cover Page

This file contains the following documents:

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



Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

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

Cooper Natural Resources, Inc. (CN600793426) operates Cedar Lake Plant (RN101517936), a manufacturer of sodium sulfate from natural occurring brine water. The facility pumps brine from the sediments beneath Cedar Lake. The facility uses a simple recovery process that is based on the phase chemistry of salts in solution to extract the sodium sulfate from the brine. No reagents or reactive chemical processes are used. The brine is pumped from a series of production wells that are located throughout the lake. Brine withdrawn is routed to the Chilling Plant. The brine is chilled with chillers where an ammonia coolant reduces the temperature of the brine to cause precipitation of Glauber's salt, the hydrated form of sodium sulfate. The Glauber's salt is melted down in the Swenson Evaporative Plant which results in anhydrous sodium sulfate. The sodium sulfate is further dehydrated using centrifuges and finally is sent to the dryer in the Drying Plant where the final product is produced, anhydrous sodium sulfate. The facility is located at County Road 120 at Cedar Lake that is eight miles east and four miles south, in Loop, Gaines County, Texas 79342. Renewal

to discharge up to 2,000,000 gallons per day from outfall 001 consisting of spent brine and storm water. Intermittent and flow-variable discharges from outfall 002 consisting of brine water, floor washdown water, condensate, and storm water. Intermittent and flow-variable discharges from outfall 003 including tank washdown water, overflow from the evaporation pond, and storm water.

Discharges from the facility are expected to contain chlorides, sulfates, total dissolved solids, oil and grease, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.. Outfall 001 is the principal outfall, it discharges process wastewater, plant floor wash water condensate from the evaporation process, spent brine, and storm water. Outfall 002 discharges decanted brine water, condensate water, non-contact cooling water, and storm water. Outfall 003 discharges brine water, condensate water, tank washdown water, overflow from the evaporative pond (which includes condensate and cooling tower blowdown), and storm water which are treated by a corrugated, sheet stack, oil/water separator that is located upstream of outfall 001. Any waste sodium sulfate generated during the production process is collected and placed in the salt reclamation pond. Domestic wastewater is routed to on-site septic tanks.

**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 son representaciones federales exigibles de la solicitud de permiso.

Cooper Natural Resources, Inc. (CN600793426) opera la Planta Cedar Lake (RN101517936), un fabricante de sulfato de sodio a partir de agua de salmuera natural. La instalación bombea salmuera de los sedimentos debajo del lago Cedar. La instalación utiliza un proceso de recuperación simple que se basa en la química de fases de las sales en solución para extraer el sulfato de sodio de la salmuera. No se utilizan reactivos ni procesos químicos reactivos. La salmuera se bombea desde una serie de pozos de producción que se encuentran en todo el lago. La salmuera extraída se envía a la planta de enfriamiento. La salmuera se enfría con enfriadores donde un refrigerante de amoníaco reduce la temperatura de la salmuera para provocar la precipitación de la sal de Glauber, la forma hidratada del sulfato de sodio. La sal de Glauber se funde en la planta evaporativa Swenson, lo que da como resultado sulfato de sodio anhidro. El sulfato de sodio se deshidrata aún más mediante centrífugas y finalmente se envía a la secadora en la planta de secado donde se produce el producto final, sulfato de sodio anhidro. La instalación está ubicada en County Road 120 en Cedar Lake, es decir, ocho millas al este y cuatro millas al sur, en Loop, condado de Gaines, Texas 79342. Renovación para descargar hasta 2.000.000 de galones por día desde el emisario 001 que consiste en salmuera usada y agua de lluvia. Descargas intermitentes y de flujo variable desde el emisario 002 que consisten en agua de salmuera, agua de lavado de pisos, condensado y agua de lluvia. Descargas intermitentes y de flujo variable desde el emisario 003 que incluyen agua de lavado de tanques, desbordamiento del estanque de evaporación y agua de lluvia.

Se espera que las descargas de la instalación contengan cloruros, sulfatos, sólidos disueltos totales, aceite y grasa, y pH. También se espera que estas descargas produzcan temperatura. Los contaminantes potenciales adicionales se incluyen en el Informe técnico de aplicación de aguas residuales industriales, Hoja de trabajo 2.0. El emisario 001 es el emisario principal, descarga aguas residuales de proceso, agua de lavado del piso de la planta condensada del proceso de evaporación, salmuera usada y agua de lluvia. El emisario 002 descarga agua de salmuera decantada, agua condensada, agua de enfriamiento sin contacto y agua de lluvia. El emisario 003 descarga agua de salmuera, agua condensada, agua de lavado de tanques,

desbordamiento del estanque de evaporación (que incluye condensado y purga de la torre de enfriamiento) y agua de lluvia que se tratan mediante un separador de aceite/agua corrugado, de láminas apiladas, que se encuentra aguas arriba del emisario 001. Cualquier residuo de sulfato de sodio generado durante el proceso de producción se recolecta y se coloca en el estanque de recuperación de sal. Las aguas residuales domésticas se dirigen a fosas sépticas en el lugar.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0003642000

APPLICATION. Cooper Natural Resources Inc., P.O. Box 1477, Seagraves, Texas 79359, which operates a facility that produces sodium sulfate from naturally occurring brine deposits, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0003642000 (EPA I.D. No. TX0112038) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed a daily average flow of 2,000,000 gallons per day via Outfall 001, and at an intermittent and flow-variable volume via Outfalls 002 and 003. The facility is located at 2106 County Road 120, near the city of Loop, in Gaines County, Texas 79342. The discharge route is from the plant site via Outfall 001 to a ditch, thence to Seco Draw, thence to Cedar Lake; via Outfall 002 to Salt Reclamation Pond, thence to Cedar Lake; and via Outfall 003 via culverts to Coyote Draw, thence to Cedar Lake. TCEQ received this application on December 3, 2024. The permit application will be available for viewing and copying at Gaines County Library - Seagraves Branch, 310 11th Street, Seagraves, in Gaines County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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

This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.

<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.293888,32.836111&level=18>

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at:

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

El aviso de idioma alternativo en español está disponible en

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

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

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

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

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.** TCEQ may act on an application to renew a permit for discharge of wastewater without providing an opportunity for a contested case hearing if certain criteria are met.

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

If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

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

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

Further information may also be obtained from Cooper Natural Resources Inc. at the address stated above or by calling Mr. Don Hilger, EHS & QC Manager, at 806-905-7788.

Issuance Date: December 30, 2024

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0003642000

SOLICITUD. Cooper Natural Resources Inc., P.O. Box 1477, Seagraves, Texas 79359, que opera una instalación que produce sulfato de sodio de depósitos de salmuera naturales ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0003642000 (EPA I.D. No. TX0112038) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día vía emisario 001, y a volumen intermitente y de caudal variable vía emisario 002 y 003. La planta está ubicada 2106 County Road 120 cerca de la ciudad de Loop, en el Condado de Gaines, Texas 79342. La ruta de descarga es del sitio de la planta a vía emisario 001 a una zanja, desde allí a Seco Draw, desde allí a Cedar Lake; vía emisario 002 a Salt Reclamación Pond, desde allí a Cedar Lake; y vía emisario 003 vía alcantarillas a Coyote Draw y desde allí a Cedar Lake. La TCEQ recibió esta solicitud el 3 de diciembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Gaines County Library- Seagraves Branch, 310 11th Street, Seagraves, en el Condado de Gaines, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible 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=-102.293888,32.836111&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 todos los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud.** Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso. Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

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

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

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

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

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

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

También se puede obtener información adicional del Cooper Natural Resources a la dirección indicada arriba o llamando a Sr. Don Hilger, Gerente de EHS y QC, al 806-905-7788.

Fecha de emisión: 30 de diciembre de 2024

Leah Whallon

From: Don Hilger <DHilger@coopernatural.com>
Sent: Tuesday, December 17, 2024 12:24 PM
To: Leah Whallon
Subject: Re: Application to Renew Permit No. WQ0003642000; Cooper Natural Resources Inc.; Cedar Lake Plant
Attachments: Outlook-Small Whit; Industrial Discharge Renewal Spanish NORI.docx; wq0003642000-nod1.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Leah,

Attached is the Plain Language Summary in Spanish as well as the notice document you previously sent with verification of locations and a change to plant location in Loop edited in the NORI.
Please let me know if you have any further questions or concerns.

Thank you,

Donald R Hilger, MS, ASP
EHS & Quality Manager
Cooper Natural Resources, Inc.
Office: 806-487-6461
Cell: 806-905-7788
dhilger@coopernatural.com



From: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Sent: Friday, December 13, 2024 11:13 AM
To: Don Hilger <DHilger@coopernatural.com>
Subject: Application to Renew Permit No. WQ0003642000; Cooper Natural Resources Inc.; Cedar Lake Plant



IRONSCALES couldn't recognize this email as this is the first time you received an email from this sender
Leah.Whallon@Tceq.Texas.Gov

Good Morning,

Please see the attached Notice of Deficiency letter dated December 13, 2024 requesting additional information needed to declare the application administratively complete. Please send the complete response by December 27, 2024.

Please let me know if you have any questions.

Thank you,



Leah Whallon

Texas Commission on Environmental Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at

www.tceq.texas.gov/customersurvey

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 13, 2024

Mr. Don Hilger
EHS & QC Manager
Cooper Natural Resources Inc.
P.O. Box 1477
Seagraves, Texas 79359

RE: Application to Renew Permit No.: WQ0003642000 (EPA I.D. No. TX0112038)
Applicant Name: Cooper Natural Resources Inc. (CN600793426)
Site Name: Cedar Lake Plant (RN101517936)
Type of Application: Renewal without changes

VIA EMAIL

Dear Mr. Hilger:

We have received the application for the above referenced permit, and it is currently under review. Your attention to the following item(s) are requested before we can declare the application administratively complete. Please submit responses to the following items via email.

1. The facility physical location description on record and in the application is "approximately 8 miles east of the intersection of FM 303 and FM 1606" and the current permit has an address of "2106 County Road 120". Please confirm the correct address or location description to be used in the notices and permit. **This is the correct physical location address for the plant.**
2. The Gaines County Library in Seagraves is listed as the public viewing location with an address of 311 Hill Street. The address on record for the library is 310 11th Street. Please confirm the public viewing location address to be used in the notices. **This is the correct physical location for the library.**
3. The plain language summary was completed in English, but the application indicates notices in Spanish are required. Please also provide the completed plain language summary in Spanish (form TCEQ-20972).
4. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete.

APPLICATION. Cooper Natural Resources Inc., P.O. Box 1477, Seagraves, Texas 79359, which operates a facility that produces sodium sulfate from naturally occurring brine deposits, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0003642000 (EPA I.D. No. TX0112038) to authorize the discharge of treated wastewater and stormwater at a volume not to exceed a daily average flow of 2,000,000 gallons per day via Outfall 001, and at an intermittent and flow-variable volume via Outfalls 002 and 003. The facility is located at 2106 County Road 120, near the city of **Loop**, in Gaines County, Texas 79342. The discharge route is from the plant site via Outfall 001 to a ditch, thence to Seco Draw, thence to Cedar Lake; via Outfall 002 to Salt Reclamation Pond, thence to Cedar Lake; and via Outfall 003 via culverts to Coyote Draw, thence to Cedar Lake. TCEQ received this application on December 3, 2024. The permit application will be available for viewing and copying at Gaines County Library - Seagraves Branch, 310 11th Street, Seagraves, in Gaines County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage:

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<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-102.293888,32.836111&level=18>

Further information may also be obtained from Cooper Natural Resources Inc. at the address stated above or by calling Mr. Don Hilger, EHS & QC Manager, at 806-905-7788.

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

Please submit the complete response, addressed to my attention by December 27, 2024. If you should have any questions, please do not hesitate to contact me by phone at (512) 239-0084 or by email at leah.whallon@tceq.texas.gov

Sincerely,



Leah Whallon
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality

lcw

Enclosure(s)
Industrial Discharge Renewal Spanish NORI

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. WQ0003642000

SOLICITUD. Cooper Natural Resources Inc., P.O. Box 1477, Seagraves, Texas 79359, que opera una instalación que produce sulfato de sodio de depósitos de salmuera naturales ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ003642000 (EPA I.D. No. TX 0112038) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 2,000,000 galones por día vía emisario 001, y a volumen intermitente y de caudal variable vía emisario 002 y 003. La planta está ubicada 2106 County Road 120 cerca de la ciudad de Loop, en el Condado de Gaines, Texas 79342. La ruta de descarga es del sitio de la planta a vía emisario 001 a una zanja, desde allí a Seco Draw, desde allí a Cedar Lake; vía emisario 002 a Salt Reclamación Pond, desde allí a Cedar Lake; y vía esmisario 003 vía alcantarillas a Coyote Draw y desde allí a Cedar Lake. La TCEQ recibió esta solicitud el 3 de Diciembre de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Gaines County Library- Seagraves Branch, 310 11th Street, Seagraves, en el Condado de Gaines, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud.

<https://www.tcep.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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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 Cooper Natural Resources a la dirección indicada arriba o llamando a Mr. Don Hilger, EHS & QC Manager, al 806-905-7788.

Fecha de emisión 3 de Diciembre de 2024.

Jon Niermann, *Chairman*
Bobby Janecka, *Commissioner*
Catarina R. Gonzales, *Commissioner*
Kelly Keel, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 3, 2024

Re: Confirmation of Submission of the Renewal without changes for Industrial Wastewater Authorization.

Dear Applicant:

This is an acknowledgement that you have successfully completed Renewal without changes for the Industrial Wastewater authorization.

ER Account Number: ER027030
Application Reference Number: 673939
Authorization Number: WQ0003642000
Site Name: Cedar Lake Plant
Regulated Entity: RN101517936 - Cedar Lake Plant
Customer(s): CN600793426 - Cooper Natural Resources Inc.

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

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

Sincerely,
Applications Review and Processing Team
Water Quality Division

Texas Commission on Environmental Quality
Update Domestic or Industrial Individual Permit
WQ0003642000

Site Information (Regulated Entity)

What is the name of the site to be authorized?	CEDAR LAKE PLANT
Does the site have a physical address?	No
Because there is no physical address, describe how to locate this site:	LOCATED 8 MILES E OF THE INTERSECTION OF FM 303 AND FM 1066
City	SEAGRAVES
State	TX
ZIP	79359
County	GAINES
Latitude (N) (##.#####)	32.836111
Longitude (W) (-###.#####)	-102.293888
Primary SIC Code	1474
Secondary SIC Code	
Primary NAICS Code	212391
Secondary NAICS Code	
Regulated Entity Site Information	
What is the Regulated Entity's Number (RN)?	RN101517936
What is the name of the Regulated Entity (RE)?	CEDAR LAKE PLANT
Does the RE site have a physical address?	No
Physical Address	
Because there is no physical address, describe how to locate this site:	GO 4 MILES SOUTH OF LOOP TX ON FM303 THENCE 8 MILES EAST ON FM 1066 TO PLANT ENTRANCE ON SOUTHSIDE OF RD SEAGRAVES, GAINES CO
City	SEAGRAVES
State	TX
ZIP	79359
County	GAINES
Latitude (N) (##.#####)	32.856944
Longitude (W) (-###.#####)	-102.295277
Facility NAICS Code	
What is the primary business of this entity?	PRODUCER OF INDUSTRIAL MINERAL SODIUM SULFATE

Cooper -Customer (Applicant) Information (Owner)

How is this applicant associated with this site?	Owner
What is the applicant's Customer Number (CN)?	CN600793426
Type of Customer	Corporation
Full legal name of the applicant:	
Legal Name	Cooper Natural Resources Inc.
Texas SOS Filing Number	11187106
Federal Tax ID	431753848
State Franchise Tax ID	14317538487
State Sales Tax ID	
Local Tax ID	
DUNS Number	5171496
Number of Employees	21-100
Independently Owned and Operated?	Yes
I certify that the full legal name of the entity applying for this permit has been provided and is legally authorized to do business in Texas.	Yes
Responsible Authority Contact	
Organization Name	Cooper Natural Resources Inc.
Prefix	MR
First	Don
Middle	
Last	Hilger
Suffix	
Credentials	
Title	EHS & QC Manager
Responsible Authority Mailing Address	
Enter new address or copy one from list:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1477
Routing (such as Mail Code, Dept., or Attn:)	
City	SEAGRAVES
State	TX
ZIP	79359
Phone (###-###-####)	8069057788
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	DHILGER@COOPERNATURAL.COM

Billing Contact

Responsible contact for receiving billing statements:

Select the permittee that is responsible for payment of the annual fee.

Organization Name	CN600793426, Cooper Natural Resources Inc.
Prefix	COOPER NATURAL RESOURCES INC
First	MR
Middle	Joe
Last	Kane
Suffix	
Credentials	
Title	President & CEO

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	7755 BELLAIRE DR S
Routing (such as Mail Code, Dept., or Attn:)	
City	FORT WORTH
State	TX
ZIP	76132
Phone (###-###-####)	8172449700
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	JKANE@COOPERNATURAL.COM

Application Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	CN600793426, Cooper Natural Resources Inc.
Organization Name	Cooper Natural Resources Inc.
Prefix	MR
First	Don
Middle	
Last	Hilger
Suffix	
Credentials	
Title	EHS & QC Manager

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1477
Routing (such as Mail Code, Dept., or Attn:)	
City	SEAGRAVES
State	TX
ZIP	79359
Phone (###-###-####)	8069057788
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	DHILGER@COOPERNATURAL.COM

Technical Contact

Person TCEQ should contact for questions about this application:

Same as another contact?	CN600793426, Cooper Natural Resources Inc.
Organization Name	Cooper Natural Resources Inc.
Prefix	MR
First	Don
Middle	
Last	Hilger
Suffix	
Credentials	
Title	EHS & QC Manager

Enter new address or copy one from list:

Mailing Address

Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1477
Routing (such as Mail Code, Dept., or Attn:)	
City	SEAGRAVES
State	TX
ZIP	79359
Phone (###-###-####)	8069057788
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	DHILGER@COOPERNATURAL.COM

DMR Contact

Person responsible for submitting Discharge Monitoring Report Forms:

Same as another contact?	CN600793426, Cooper Natural Resources Inc.
Organization Name	Cooper Natural Resources Inc.
Prefix	MR
First	Don
Middle	
Last	Hilger
Suffix	
Credentials	
Title	EHS & QC Manager
Enter new address or copy one from list:	
Mailing Address:	
Address Type	Domestic
Mailing Address (include Suite or Bldg. here, if applicable)	PO BOX 1477
Routing (such as Mail Code, Dept., or Attn:)	
City	SEAGRAVES
State	TX
ZIP	79359
Phone (###-###-####)	8069057788
Extension	
Alternate Phone (###-###-####)	
Fax (###-###-####)	
E-mail	DHILGER@COOPERNATURAL.COM

Section 1# Permit Contact

Permit Contact#: 1

Person TCEQ should contact throughout the permit term.

1) Same as another contact?	CN600793426, Cooper Natural Resources Inc.
2) Organization Name	Cooper Natural Resources Inc.
3) Prefix	MR
4) First	Don
5) Middle	
6) Last	Hilger
7) Suffix	

8) Credentials

9) Title

EHS & QC Manager

Mailing Address

10) Enter new address or copy one from list

11) Address Type

Domestic

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

PO BOX 1477

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

11.3) City

SEAGRAVES

11.4) State

TX

11.5) ZIP

79359

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

8069057788

13) Extension

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

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

16) E-mail

DHILGER@COOPERNATURAL.COM

Owner Information

Owner of Treatment Facility

1) Prefix

MR

2) First and Last Name

Joe Kane

3) Organization Name

Cooper Natural Resources Inc

4) Mailing Address

7755 Bellaire South

5) City

Fort Worth

6) State

TX

7) Zip Code

76132

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

8172449700

9) Extension

10) Email

JKANE@COOPERNATURAL.COM

11) What is ownership of the treatment facility?

Private

Owner of Land (where treatment facility is or will be)

12) Prefix

13) First and Last Name

14) Organization Name

Thorton Lomax Trust

15) Mailing Address

7755 Bellaire South

16) City

Fort Worth

17) State

TX

18) Zip Code

76132

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

8172449700

20) Extension

21) Email

JKANE@COOPERNATURAL.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:

07/09/2025

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 without changes

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?

Yes

5.1.1.1) Select the applicable fee for the Minor facility that is subjected to 40 CFR 400-471:

Renewal - \$1,215

6) What is the classification for your authorization?

TPDES

6.1) What is the EPA Identification Number?

TX0112038

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):

Loop TX

6.5) County where the outfalls are located:

GAINES

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

Don Hilger

3) Credential

4) Title

EHS & QC Manager

5) Organization Name

Cooper Natural Resources Inc

6) Mailing Address

PO BOX 1477

7) Address Line 2

8) City

SEAGRAVES

9) State	TX
10) Zip Code	79359
11) Phone (###-###-####)	8069057788
12) Extension	
13) Fax (###-###-####)	
14) Email	dhilger@coopernatural.com
Contact person to be listed in the Notices	
15) Prefix	MR
16) First and Last Name	Don Hilger
17) Credential	
18) Title	EHS & QC Manager
19) Organization Name	Cooper Natural Resources Inc
20) Phone (###-###-####)	8069057788
21) Fax (###-###-####)	
22) Email	dhilger@coopernatural.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?	English/Spanish

Section 1# Public Viewing Information

County#: 1

1) County	GAINES
2) Public building name	Gaines County Public Library
3) Location within the building	
4) Physical Address of Building	311 Hill Street
5) City	Seagraves
6) Contact Name	
7) Phone (###-###-####)	8065462480
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_WW Renewal Lease Agreement CNR.pdf
Hash	9B2A5DA80F28ABC7587BC7D13C54C7594120391C55998E65D62ED08AE185A5C0
MIME-Type	application/pdf

Plain Language

1) Plain Language

[File Properties]

File Name	LANG_20972 CNR Plain Language.docx
Hash	EB4057502EB816AEEB7B4A11066815278BEA08466BFD3E1BC1CD829316CB766F
MIME-Type	application/vnd.openxmlformats- officedocument.wordprocessingml.document

Supplemental Permit Information Form

1) Supplemental Permit Information Form (SPIF)

[File Properties]

File Name	SPIF_20971 CNR Supplemental Information Form.docx
Hash	25186961C54602ACCA13549E09476F613B46D0C799826325155E89A37F397EDB
MIME-Type	application/vnd.openxmlformats- officedocument.wordprocessingml.document

[File Properties]

File Name	SPIF_USGS TOPO MAP - CNR 1.jpg
Hash	6E9E604DD27EFBC07EF1AE139B5D431B3084BA42E5B42EC0C4D06FB06ECB0795
MIME-Type	image/jpeg

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_USGS TOPO MAP - CNR 1.jpg
Hash	6E9E604DD27EFBC07EF1AE139B5D431B3084BA42E5B42EC0C4D06FB06ECB0795
MIME-Type	image/jpeg

- | | |
|---|-----|
| 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 1.0 (EPA Categorical Effluent Guidelines) is complete and included in the Technical Attachment. | Yes |
| 2.2) I confirm that Worksheet 2.0 (Pollutant Analyses Requirements) is complete and included in the Technical Attachment. | Yes |
| 2.3) I confirm that Worksheet 4.0 (Receiving Waters) is complete and included in the Technical Attachment. | Yes |
| 2.4) Are you planning to include Worksheet 4.1 (Waterbody Physical Characteristics) in the Technical Attachment? | No |
| 2.5) Are you planning to include Worksheet 6.0 (Industrial Waste Contribution) in the Technical Attachment? | No |
| 2.6) Are you planning to include Worksheet 7.0 (Stormwater Discharges Associated with Industrial Activities) to the Technical Attachment? | No |
| 2.7) Are you planning to include Worksheet 8.0 (Aquaculture) in the Technical Attachment? | No |
| 2.8) Are you planning to include Worksheet 9.0 (Class V Injection Well Inventory/Authorization) in the Technical Attachment? | No |
| 2.9) Are you planning to include Worksheet 10.0 (Quarries in the John Graves Scenic Riverway) in the Technical Attachment? | No |
| 2.10) Are you planning to include Worksheet 11.0 (Cooling Water System Information) in the Technical Attachment? | No |
| 2.11) Are you planning to include Worksheet 11.1 (Impingement Mortality) in the Technical Attachment? | No |
| 2.12) Are you planning to include Worksheet 11.2 (Source Water Biological Data) in the Technical Attachment? | No |
| 2.13) Are you planning to include Worksheet 11.3 (Entrainment) in the Technical Attachment? | No |

2.14) Technical Attachment

[File Properties]

File Name	TECH_CNR 10055 Technical Report 1.0.pdf
Hash	8C5DDE4395C6C60487591EB53A1C68D8D9BE3FB5309CF0540BEEC150BCA76ACD
MIME-Type	application/pdf

3) Flow Diagram

[File Properties]

File Name	FLDIA_CNR Process Flow and H2O Balance.pdf
Hash	3EC6070E68BDA2B7564BB24E7C9BDE016B9348614498C30128ACCAF0D06F8640
MIME-Type	application/pdf

4) Site Drawing

[File Properties]

File Name	SITEDR_Site Plan - Cooper Natural Resources 2.1.2024.pdf
Hash	D6AA0108C543CC15EE56C311F58E7DF3BB19279682DA659B35BF702FFD79DBF5
MIME-Type	application/pdf

5) Design Calculations

[File Properties]

File Name	DES_CAL_FLDIA_CNR Process Flow and H2O Balance.pdf
Hash	3EC6070E68BDA2B7564BB24E7C9BDE016B9348614498C30128ACCAF0D06F8640
MIME-Type	application/pdf

6) Solids Management Plan

7) Water Balance

[File Properties]

File Name	WB_CNR Process Flow and H2O Balance.pdf
Hash	3EC6070E68BDA2B7564BB24E7C9BDE016B9348614498C30128ACCAF0D06F8640
MIME-Type	application/pdf

8) Other Attachments

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 Don Hilger, the owner of the STEERS account ER027030.
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 WQ0003642000.
9. My signature indicates that I am in agreement with the information on this form, and authorize its submittal to the TCEQ.

OWNER Signature: Don Hilger OWNER

Customer Number:	CN600793426
Legal Name:	Cooper Natural Resources Inc.
Account Number:	ER027030
Signature IP Address:	216.247.223.55
Signature Date:	2024-12-03
Signature Hash:	2C2320F0419769BDBA27D044CC55760CBD9DD0D196E5674F545CB71D86E90924
Form Hash Code at time of Signature:	EC43740D6E245642CD54B0703B312AE1CF51E60C1AAC395E74906537DB187588

Fee Payment

Transaction by:	The application fee payment transaction was made by ER027030/Don Hilger
Paid by:	The application fee was paid by DON HILGER
Fee Amount:	\$1200.00
Paid Date:	The application fee was paid on 2024-12-03
Transaction/Voucher number:	The transaction number is 582EA000636688 and the voucher number is 733582

Submission

Reference Number:	The application reference number is 673939
Submitted by:	The application was submitted by ER027030/Don Hilger
Submitted Timestamp:	The application was submitted on 2024-12-03 at 10:56:47 CST
Submitted From:	The application was submitted from IP address 216.247.223.55

Confirmation Number:

The confirmation number is 588824

Steers Version:

The STEERS version is 6.83

Permit Number:

The permit number is WQ0003642000

Additional Information

Application Creator: This account was created by Don Hilger



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

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

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

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

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

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS INDUSTRIAL WASTEWATER/STORMWATER

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

Cooper Natural Resources, Inc. (CN600793426) operates Cedar Lake Plant (RN101517936), a manufacturer of sodium sulfate from natural occurring brine water. The facility pumps brine from the sediments beneath Cedar Lake. The facility uses a simple recovery process that is based on the phase chemistry of salts in solution to extract the sodium sulfate from the brine. No reagents or reactive chemical processes are used. The brine is pumped from a series of production wells that are located throughout the lake. Brine withdrawn is routed to the Chilling Plant. The brine is chilled with chillers where an ammonia coolant reduces the temperature of the brine to cause precipitation of Glauber's salt, the hydrated form of sodium sulfate. The Glauber's salt is melted down in the Swenson Evaporative Plant which results in anhydrous sodium sulfate. The sodium sulfate is further dehydrated using centrifuges and finally is sent to the dryer in the Drying Plant where the final product is produced, anhydrous sodium sulfate. The facility is located at County Road 120 at Cedar Lake that is eight miles east and four miles south, in Loop, Gaines County, Texas 79342. Renewal

to discharge up to 2,000,000 gallons per day from outfall 001 consisting of spent brine and storm water. Intermittent and flow-variable discharges from outfall 002 consisting of brine water, floor washdown water, condensate, and storm water. Intermittent and flow-variable discharges from outfall 003 including tank washdown water, overflow from the evaporation pond, and storm water.

Discharges from the facility are expected to contain chlorides, sulfates, total dissolved solids, oil and grease, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.. Outfall 001 is the principal outfall, it discharges process wastewater, plant floor wash water condensate from the evaporation process, spent brine, and storm water. Outfall 002 discharges decanted brine water, condensate water, non-contact cooling water, and storm water. Outfall 003 discharges brine water, condensate water, tank washdown water, overflow from the evaporative pond (which includes condensate and cooling tower blowdown), and storm water which are treated by a corrugated, sheet stack, oil/water separator that is located upstream of outfall 001. Any waste sodium sulfate generated during the production process is collected and placed in the salt reclamation pond. Domestic wastewater is routed to on-site septic tanks.

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

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

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

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

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

INSTRUCTIONS

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

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

Example

Individual Industrial Wastewater Application

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

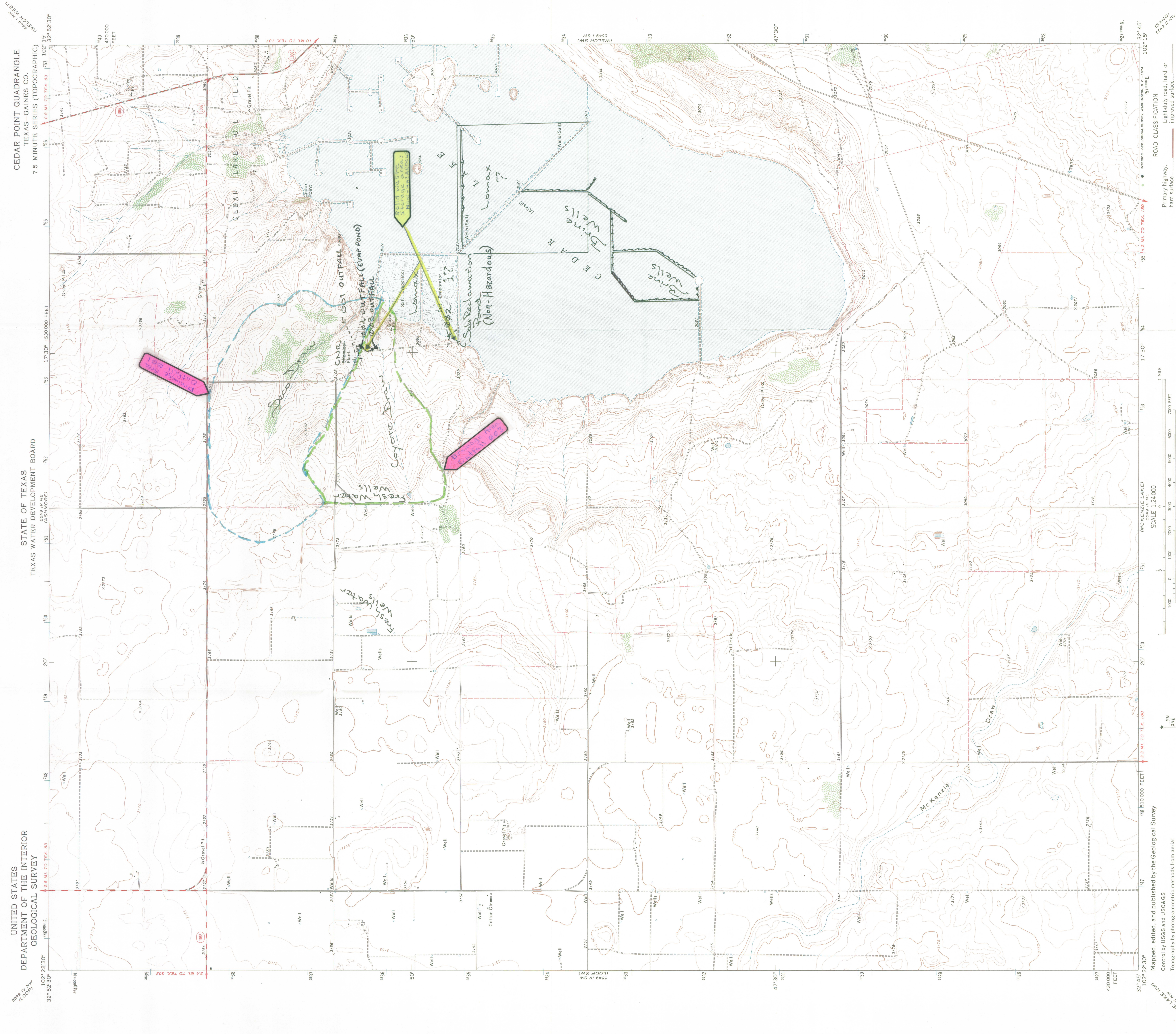
ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin,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

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

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

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

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



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1969. Field checked 1970. Projection and 10,000-foot grid ticks: Texas coordinate system, north central zone (Lambert conformal conic) 1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue. 1927 North American datum. Fine red dashed lines indicate selected fence lines.

UTM GRID AND 1970 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

CEDAR POINT, TEX
N3245-W10215/7.5

AMS 5549 IV SE-SERIES V882

AMS 5549 IV SE-SERIES V882

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

____ Texas Historical Commission

____ U.S. Fish and Wildlife

____ Texas Parks and Wildlife Department

____ U.S. Army Corps of Engineers

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

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

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

The following applies to all applications:

1. Permittee: Cooper Natural Resources, Inc.

Permit No. WQ00 03642000

EPA ID No. TX 0112038

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

The facility is located at County Road 120 at Cedar Lake. This is approximately eight miles east and four miles south of Loop, Texas in Gaines County.

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: Don Hilger

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

Title: EHS & QC Manager

Mailing Address: PO Box 1477

City, State, Zip Code: Seagraves, Texas, 79359

Phone No.: 806-905-7788 Ext.: Fax No.: 806-487-6471

E-mail Address: dhilger@coopernatural.com

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

The discharge route is from the plant site via Outfall 001, then to Seco Draw, then to Cedar Lake; via Outfall 002 to the salt reclamation pond, to Cedar Lake and from Outfall 003 via culverts to Coyote Draw, then to Cedar Lake in Segment No. 1400 of the Colorado River Basin.

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

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

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

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

☐ Disturbance of vegetation or wetlands

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

N/A

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

No modifications, disturbances, or vegetation changes will be involved for the renewal of the permit. Land use will be the same and there is no use of the land beyond what is currently being utilized.

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:

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



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

INDUSTRIAL WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

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

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

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

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

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

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

The Cedar Lake Plant produces an industrial mineral, sodium sulfate, from naturally occurring saline brine deposits. This production process is described in detail in Exhibit 1. The facility operates under SIC code 1474 and NAICS code 212391.

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

The wastewater generation process is described in detail in the Process Description document, attachment A.

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

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

Materials List

Raw Materials	Intermediate Products	Final Products
Natural Saline Brine Water	Sodium Sulfate Decahydrate	Anhydrous Sodium Sulfate

Attachment: 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: G

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

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

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

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

☐ Yes ☐ No ☒ N/A (renewal only)

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

☐ Yes ☐ No

If **yes**, provide the permit number: [Click to enter text.](#)

If **no**, provide an approximate date of application submittal to the USACE: [Click to enter text.](#)

Item 2. Treatment System (Instructions, Page 40)

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

A corrugated, sheet stack, oil/water separator is located upstream of Outfall 001.

- 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: [H](#)

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)	E	C		
Associated Outfall Number	N/A	002		
Liner Type (C) (I) (S) or (A)	I	I		
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)	100	150		
Width (ft)	100	100		
Max Depth From Water Surface (ft), Not Including Freeboard				
Freeboard (ft)				
Surface Area (acres)	0.23	0.34		
Storage Capacity (gallons)	450000	337500		
40 CFR Part 257, Subpart D, Y/N				
Date of Construction				

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

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

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

1. Liner data

☐ Yes ☐ No ☐ Not yet designed

2. Leak detection system or groundwater monitoring data

☐ Yes ☐ No ☐ Not yet designed

3. Groundwater impacts

☐ Yes ☐ No ☐ Not yet designed

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

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

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

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

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

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

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

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

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

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

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

If there are more outfalls/points of disposal at the facility than the spaces provided, copies of pages 6 and/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)
001	32.8412	-102.2901
002	32.8286	-102.2903
003	32.83715	-102.2917

Outfall Location Description

Outfall No.	Location Description
001	See Process Description
002	See Process Description
003	See Process Description

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

Outfall No.	Description of sampling point
001	N/A
002	N/A
003	N/A

Outfall Flow Information - Permitted and Proposed

Outfall No.	Permitted Daily Avg Flow (MGD)	Permitted Daily Max Flow (MGD)	Proposed Daily Avg Flow (MGD)	Proposed Daily Max Flow (MGD)	Anticipated Discharge Date (mm/dd/yy)
001	2.0	2.5	2.0	2.5	
002	N/A	N/A	N/A	N/A	
003	N/A	N/A	N/A	N/A	

Outfall Discharge - Method and Measurement

Outfall No.	Pumped Discharge? Y/N	Gravity Discharge? Y/N	Type of Flow Measurement Device Used
001	NO	YES	California Pipe
002	NO	YES	California Pipe
003	N/A	N/A	N/A

Outfall Discharge - Flow Characteristics

Outfall No.	Intermittent Discharge? Y/N	Continuous Discharge? Y/N	Seasonal Discharge? Y/N	Discharge Duration (hrs/day)	Discharge Duration (days/mo)	Discharge Duration (mo/yr)
001	NO	YES	NO	24	31	12
002	YES	NO	NO	N/A	N/A	N/A
003	YES	NO	NO	24	31	12

Outfall Wastestream Contributions

Outfall No. 001

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Spent Brine	1.96	98
Process Wastewater	0.04	2
Stormwater	Unknown	Unknown

Outfall No. 002

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Brine water, Floor washdown, condensate, non-contact cooling water, and stormwater.	0.004	100
NOTE: volume is intermittent, flow is variable. One discharge noted currently.		

Outfall No. 003

Contributing Wastestream	Volume (MGD)	Percent (%) of Total Flow
Brine water, Floor washdown, condensate, non-contact cooling water, overflow from evaporation pond (004), and stormwater.	0.017	100
NOTE: Intermittent flow and variable. One discharge noted currently.		

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

Attachment: I

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

a. Indicate if the facility currently or proposes to:

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

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

☐ Yes ☒ No Discharge once-through cooling water

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

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

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

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

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

c. Cooling Towers and Boilers

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

Cooling Towers and Boilers

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Cooling Towers	5	28800	28800

Type of Unit	Number of Units	Daily Avg Blowdown (gallons/day)	Daily Max Blowdown (gallons/day)
Boilers	1	14405	14405

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: The Cedar Lake Plant produces natural sodium sulfate from brine extracted from a saline lake. Anhydrous ammonia gas is used in the refrigeration phase of the recovery process. The plant is an industrial facility with shops, warehouses, administrative buildings, parking lots, product bagging and storage bins, truck loading facilities, etc. Rainfall occurring at the facility is carried by either sheet runoff or stormwater drains towards the plant's four exterior outfalls and into Cedar Lake. Cedar Lake is a highly saline brine lake with interior drainage. There are no outlets from the lake except for evaporation. Stormwater events are routinely monitored for oil and grease, as well as pH. Any excursions are immediately reported to the TCEQ.

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

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

- a. Check the box next to the appropriate method of domestic sewage and domestic sewage sludge treatment or disposal. Complete Worksheet 5.0 or Item 7.b if directed to do so.
 - ☐ Domestic sewage is routed (i.e., connected to or transported to) to a WWTP permitted to receive domestic sewage for treatment, disposal, or both. Complete Item 7.b.
 - ☒ Domestic sewage disposed of by an on-site septic tank and drainfield system. Complete Item 7.b.
 - ☐ Domestic and industrial treatment sludge ARE commingled prior to use or disposal.
 - ☐ Industrial wastewater and domestic sewage are treated separately, and the respective sludge IS NOT commingled prior to sludge use or disposal. Complete Worksheet 5.0.
 - ☐ Facility is a POTW. Complete Worksheet 5.0.
 - ☐ Domestic sewage is not generated on-site.
 - ☐ Other (e.g., portable toilets), specify and Complete Item 7.b: [Click to enter text.](#)
- b. Provide the name and TCEQ, NPDES, or TPDES Permit No. of the waste-disposal facility which receives the domestic sewage/septage. If hauled by motorized vehicle, provide the name and TCEQ Registration No. of the hauler.

Domestic Sewage Plant/Hauler Name

Plant/Hauler Name	Permit/Registration No.
Berryhill Sewer Service	TDH 20624

Plant/Hauler Name	Permit/Registration No.

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

- a. Is the permittee currently required to meet any implementation schedule for compliance or enforcement?
- ☐ Yes ☒ No
- b. Has the permittee completed or planned for any improvements or construction projects?
- ☐ Yes ☒ No
- c. If **yes** to either 8.a or 8.b, provide a brief summary of the requirements and a status update: [Click to enter text.](#)

Item 9. Toxicity Testing (Instructions, Page 45)

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

☐ Yes ☒ No

If **yes**, identify the tests and describe their purposes: [Click to enter text.](#)

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

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

☐ Yes ☐ No

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

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

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

☐ Yes ☐ No

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

Item 11. Radioactive Materials (Instructions, Page 46)

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

☐ Yes ☒ No

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

Radioactive Materials Mined, Used, Stored, or Processed

Radioactive Material Name	Concentration (pCi/L)

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

☐ Yes ☒ No

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

Radioactive Materials Present in the Discharge

Radioactive Material Name	Concentration (pCi/L)

Item 12. Cooling Water (Instructions, Page 46)

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

c. Cooling Water Supplier

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

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

CWIS ID				
Owner				
Operator				

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

d. 316(b) General Criteria

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

☐ Yes ☐ No

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

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

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

- e. The facility does not meet the minimum requirements to be subject to the 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.

Click to enter text.

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

☐ Yes ☒ No

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

Click to enter text.

Item 14. Laboratory Accreditation (Instructions, Page 49)

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

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

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

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

CERTIFICATION:

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

Printed Name: Donald R Hilger

Title: EHS & QC 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

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

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

a. Production Data

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

Production Data

Subcategory	Actual Quantity/Day	Design Quantity/Day	Units

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

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

Percentage of Total Production

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

c. Refineries (40 CFR Part 419)

Provide the applicable subcategory and a brief justification.

Click to enter text.

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

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

Click to enter text.

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

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

Wastewater Generating Processes Subject to Effluent Guidelines

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 2.0: POLLUTANT ANALYSIS

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

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

- 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): 6/11/24-10/15/24
- ☒ 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: J

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

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

TABLE 1 and TABLE 2 (Instructions, Page 58)

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

Table 1 for Outfall No.: 001

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)	40.4	7.93	21.9	<12.0 undetectable
CBOD (5-day)	36.1	11.9	18	<12.0 undetectable
Chemical oxygen demand	420	90.9	118	1100
Total organic carbon	<1.0 undetectable	<1.0 undetectable	<1.0 undetectable	<1.0 undetectable
Dissolved oxygen	9.49	10.1	9.77	9.25
Ammonia nitrogen	12.2	8.23	15.7	8.52
Total suspended solids	597	278	1160	335
Nitrate nitrogen	<10.0 undetectable	57	<10.0 undetectable	81
Total organic nitrogen	<0.20 undetectable	<0.20 undetectable	<0.20 undetectable	<0.20 undetectable

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total phosphorus	0.317	0.305	0.273	0.173
Oil and grease	<6.25 undetectable	14.3	8.90	6.33
Total residual chlorine	<0.250 undetectable	<0.050 undetectable	<0.250 undetectable	<0.050 undetectable
Total dissolved solids	118000	185000	182000	179000
Sulfate	37400	47700	23600	28800
Chloride	114000	113000	127000	140000
Fluoride	<50 undetectable	<250 undetectable	<50 undetectable	<250 undetectable
Total alkalinity (mg/L as CaCO ₃)	167	167	175	181
Temperature (°F)	79.1	70.7	69.0	71.6
pH (standard units)	7.2	7.0	6.9	7.1

Table 2 for Outfall No.: **001**

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	<1000 undetectable	<2000 undetectable	<2000 undetectable	<1000 undetectable	2.5
Antimony, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	5
Arsenic, total	220	<400 undetectable	<400 undetectable	<200 undetectable	0.5
Barium, total	<200 undetectable	<400 undetectable	<400 undetectable	<200 undetectable	3
Beryllium, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	0.5
Cadmium, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	1
Chromium, total	<200 undetectable	<400 undetectable	<400 undetectable	<200 undetectable	3
Chromium, hexavalent	<10 undetectable	<10 undetectable	<10 undetectable	<10 undetectable	3
Chromium, trivalent	N/A	N/A	N/A	N/A	N/A
Copper, total	1180	<400 undetectable	505	915	2
Cyanide, available	6.71	56.4	<5.0 undetectable	9.35	2/10

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Lead, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	0.5
Mercury, total	7.40	15.3	15.4	7.57	0.005/0.0005
Nickel, total	105	<200 undetectable	<200 undetectable	138	2
Selenium, total	1230	728	698	897	5
Silver, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	0.5
Thallium, total	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	0.5
Zinc, total	<200 undetectable	<400 undetectable	<400 undetectable	<200 undetectable	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
Benzidine					50
Benzo(a)anthracene					5
Benzo(a)pyrene					5
Bis(2-chloroethyl)ether					10
Bis(2-ethylhexyl)phthalate					10
Bromodichloromethane [Dichlorobromomethane]					10
Bromoform					10
Carbon tetrachloride					2
Chlorobenzene					10
Chlorodibromomethane [Dibromochloromethane]					10

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
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
1,1-Dichloroethene [1,1-Dichloroethylene]					10
Dichloromethane [Methylene chloride]					20
1,2-Dichloropropane					10
1,3-Dichloropropene [1,3-Dichloropropylene]					10
2,4-Dimethylphenol					10
Di-n-Butyl phthalate					10
Ethylbenzene					10
Fluoride					500
Hexachlorobenzene					5
Hexachlorobutadiene					10
Hexachlorocyclopentadiene					10
Hexachloroethane					20
Methyl ethyl ketone					50
Nitrobenzene					10
N-Nitrosodiethylamine					20
N-Nitroso-di-n-butylamine					20
Nonylphenol					333
Pentachlorobenzene					20
Pentachlorophenol					5

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Phenanthrene					10
Polychlorinated biphenyls (PCBs) (**)					0.2
Pyridine					20
1,2,4,5-Tetrachlorobenzene					20
1,1,2,2-Tetrachloroethane					10
Tetrachloroethene [Tetrachloroethylene]					10
Toluene					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethene [Trichloroethylene]					10
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.: N/A

Samples are (check one): ☐ Composite ☐ Grab

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

TABLE 5 (Instructions, Page 59)

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

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

- ☒ N/A

Table 5 for Outfall No.: 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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)*
Chlorpyrifos					0.05
4,4'-DDD					0.1
4,4'-DDE					0.1
4,4'-DDT					0.02
2,4-D					0.7
Danitol [Fenpropathrin]					—
Demeton					0.20
Diazinon					0.5/0.1
Dicofol [Kelthane]					1
Dieldrin					0.02
Diuron					0.090
Endosulfan I (<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.: **001**

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<50.0 undetectable	404	527	<50.0 undetectable	400
Color (PCU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10	100	10	100	—
Nitrate-Nitrite (as N)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<10 undetectable	57000	<10 undetectable	81	—
Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5 undetectable	<25 undetectable	<25 undetectable	<5 undetectable	—
Sulfite (as SO ₃)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5 undetectable	<5 undetectable	<5 undetectable	<5 undetectable	—
Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	36.1	0.462	5.73	0.453	—
Boron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13.5	16	11.5	18.1	20
Cobalt, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	0.3
Iron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	19.7	13.7	14.3	12.7	7
Magnesium, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8490	8700	5840	8670	20
Manganese, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.542	0.551	0.404	0.561	0.5
Molybdenum, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.236	0.248	0.233	0.316	1
Tin, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable	<200 undetectable	<200 undetectable	<100 undetectable	5
Titanium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<200 undetectable	<400 undetectable	<400 undetectable	<200 undetectable	30

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 3. General Testing Requirements (Instructions, Page 55)

- d. 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): **6/11/24-10/15/24**
- e. ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- f. 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: J**

Item 4. Specific Testing Requirements (Instructions, Page 56)

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

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 7 for Outfall No.: **002**

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)	< 6.0 undetectable			
CBOD (5-day)	< 6.0 undetectable			
Chemical oxygen demand	780			
Total organic carbon	< 1.0 undetectable			
Dissolved oxygen	9.67			
Ammonia nitrogen	4.50			
Total suspended solids	649			
Nitrate nitrogen	<50 undetectable			
Total organic nitrogen	1.71			

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Total phosphorus	0.311			
Oil and grease	<8.33 undetectable			
Total residual chlorine	<0.05 undetectable			
Total dissolved solids	207000			
Sulfate	51600			
Chloride	127000			
Fluoride	<250 undetectable			
Total alkalinity (mg/L as CaCO ₃)	148			
Temperature (°F)	73.9			
pH (standard units)	6.9			

Table 8 for Outfall No.: **002**

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	<1000 undetectable				2.5
Antimony, total	<100 undetectable				5
Arsenic, total	203				0.5
Barium, total	<200 undetectable				3
Beryllium, total	<100 undetectable				0.5
Cadmium, total	<100 undetectable				1
Chromium, total	<200 undetectable				3
Chromium, hexavalent	<10 undetectable				3
Chromium, trivalent	N/A				N/A
Copper, total	368				2
Cyanide, available	32.3				2/10
Lead, total	<100 undetectable				0.5
Mercury, total	3.11				0.005/0.0005

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Nickel, total	321				2
Selenium, total	1290				5
Silver, total	<100 undetectable				0.5
Thallium, total	<100 undetectable				0.5
Zinc, total	<200 undetectable				5.0

TABLE 6 (Instructions, Page 59)

Completion of Table 6 is required for all external outfalls.

Table 9 for Outfall No.: **002**

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 checked="" type="checkbox"/>	<input type="checkbox"/>	577				400
Color (PCU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10.0				—
Nitrate-Nitrite (as N)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<50.0 undetectable				—
Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5.0 undetectable				—
Sulfite (as SO ₃)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5.0 undetectable				—
Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.78				—
Boron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10.7				20
Cobalt, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable				0.3
Iron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<1000 undetectable				7
Magnesium, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8310				20
Manganese, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.509				0.5
Molybdenum, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.03				1
Tin, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable				5
Titanium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<200 undetectable				30

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 5. General Testing Requirements (Instructions, Page 55)

- g. 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): 6/11/24-10/15/24
- h. ☒ Check the box to confirm all samples were collected no more than 12 months prior to the date of application submittal.
- i. 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: J

Item 6. Specific Testing Requirements (Instructions, Page 56)

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

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 10 for Outfall No.: 003

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)	< 6.0 undetectable			
CBOD (5-day)	< 6.0 undetectable			
Chemical oxygen demand	1300			
Total organic carbon	<1.0 undetectable			
Dissolved oxygen	9.17			
Ammonia nitrogen	7.35			
Total suspended solids	22.5			
Nitrate nitrogen	<50 undetectable			
Total organic nitrogen	0.280			
Total phosphorus	0.307			

Pollutant	Sample 1 (mg/L)	Sample 2 (mg/L)	Sample 3 (mg/L)	Sample 4 (mg/L)
Oil and grease	<5.0 undetectable			
Total residual chlorine	<0.05 undetectable			
Total dissolved solids	189000			
Sulfate	50600			
Chloride	107000			
Fluoride	<250 undetectable			
Total alkalinity (mg/L as CaCO ₃)	143			
Temperature (°F)	76.1			
pH (standard units)	6.8			

Table 11 for Outfall No.: **003**

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	<1000 undetectable				2.5
Antimony, total	<100 undetectable				5
Arsenic, total	<200 undetectable				0.5
Barium, total	<200 undetectable				3
Beryllium, total	<100 undetectable				0.5
Cadmium, total	<100 undetectable				1
Chromium, total	<200 undetectable				3
Chromium, hexavalent	<10 undetectable				3
Chromium, trivalent	N/A				N/A
Copper, total	306				2
Cyanide, available	<5.0 undetectable				2/10
Lead, total	<100 undetectable				0.5

Pollutant	Sample 1 (µg/L)	Sample 2 (µg/L)	Sample 3 (µg/L)	Sample 4 (µg/L)	MAL (µg/L)
Mercury, total	<2.50 undetectable				0.005/0.0005
Nickel, total	265				2
Selenium, total	658				5
Silver, total	<100 undetectable				0.5
Thallium, total	<100 undetectable				0.5
Zinc, total	<200 undetectable				5.0

TABLE 6 (Instructions, Page 59)

Completion of Table 6 **is required** for all external outfalls.Table 12 for Outfall No.: **003**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 checked="" type="checkbox"/>	<input type="checkbox"/>	364				400
Color (PCU)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	10				—
Nitrate-Nitrite (as N)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<50 undetectable				—
Sulfide (as S)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5 undetectable				—
Sulfite (as SO ₃)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<5 undetectable				—
Surfactants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1.85				—
Boron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.6				20
Cobalt, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable				0.3
Iron, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	2.1				7
Magnesium, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4680				20
Manganese, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.263				0.5
Molybdenum, total	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0.118				1
Tin, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<100 undetectable				5
Titanium, total	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<200 undetectable				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 13 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 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

Industrial Category	40 CFR Part	Volatiles Table 8	Acids Table 9	Bases/Neutrals Table 10	Pesticides Table 11
<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 14 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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Tetrachloroethylene [Tetrachloroethene]					10
Toluene					10
1,2-Trans-dichloroethylene [1,2-Trans-dichloroethene]					10
1,1,1-Trichloroethane					10
1,1,2-Trichloroethane					10
Trichloroethylene [Trichloroethene]					10
Vinyl chloride					10

* Indicate units if different from µg/L.

Table 15 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 16 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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
3,4-Benzofluoranthene [Benzo(b)fluoranthene]					10
Benzo(ghi)perylene					20
Benzo(k)fluoranthene					5
Bis(2-chloroethoxy)methane					10
Bis(2-chloroethyl)ether					10
Bis(2-chloroisopropyl)ether					10
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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
Indeno(1,2,3-cd)pyrene					5
Isophorone					10
Naphthalene					10
Nitrobenzene					10
N-Nitrosodimethylamine					50
N-Nitrosodi-n-propylamine					20
N-Nitrosodiphenylamine					20
Phenanthrene					10
Pyrene					10
1,2,4-Trichlorobenzene					10

* Indicate units if different from µg/L.

Table 17 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

Pollutant	Sample 1 (µg/L)*	Sample 2 (µg/L)*	Sample 3 (µg/L)*	Sample 4 (µg/L)*	MAL (µg/L)
PCB 1242					0.2
PCB 1254					0.2
PCB 1221					0.2
PCB 1232					0.2
PCB 1248					0.2
PCB 1260					0.2
PCB 1016					0.2
Toxaphene					0.3

* Indicate units if different from µg/L.

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

TABLE 12 (DIOXINS/FURAN COMPOUNDS)

Complete of Table 12 **is required** for **external outfalls**, as directed below. (Instructions, Pages 59-60)

Indicate which compound(s) are manufactured or used at the facility and provide a brief description of the conditions of its/their presence at the facility (check all that apply).

- ☐ 2,4,5-trichlorophenoxy acetic acid (2,4,5-T) CASRN 93-76-5
- ☐ 2-(2,4,5-trichlorophenoxy) propanoic acid (Silvex, 2,4,5-TP) CASRN 93-72-1
- ☐ 2-(2,4,5-trichlorophenoxy) ethyl 2,2-dichloropropionate (Erbon) CASRN 136-25-4
- ☐ 0,0-dimethyl 0-(2,4,5-trichlorophenyl) phosphorothioate (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: [Click to enter text.](#)

Does the applicant or anyone at the facility know or have any reason to believe that 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) or any congeners of TCDD may be present in the effluent proposed for discharge?

- ☐ Yes ☒ No

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

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

Table 18 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

Compound	Toxicity Equivalent Factors	Wastewater Concentration (ppq)	Wastewater Toxicity Equivalents (ppq)	Sludge Concentration (ppt)	Sludge Toxicity Equivalents (ppt)	MAL (ppq)
1,2,3,7,8-PeCDD	1.0					50
2,3,7,8-HxCDDs	0.1					50
1,2,3,4,6,7,8-HpCDD	0.01					50
2,3,7,8-TCDF	0.1					10
1,2,3,7,8-PeCDF	0.03					50
2,3,4,7,8-PeCDF	0.3					50
2,3,7,8-HxCDFs	0.1					50
2,3,4,7,8-HpCDFs	0.01					50
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 19 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: <u>N/A</u> |

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: N/A

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: N/A

- 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: N/A

- 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:** N/A

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 20 for Outfall No.: N/A Samples are (check one): ☒ Composite ☐ Grab

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): N/A
- ☐ 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 21 for Outfall No.: N/A

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 ₃)				
Temperature (°F)				
pH (standard units)				

Table 22 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)
Aluminum, total					2.5
Antimony, total					5
Arsenic, total					0.5
Barium, total					3

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 3.1: SURFACE LAND APPLICATION AND APPLICATION

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

Item 1. Edwards Aquifer (Instructions, Page 73)

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

☐ Yes ☒ No

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

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

☐ 30 TAC Chapter 213, Subchapter A

☐ 30 TAC Chapter 213, Subchapter B

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

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

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

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

a. Provide the following information on the irrigation operations:

Area under irrigation (acres): [N/A](#)

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/ft²/day.

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

g. Provide the following dosing information:

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

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

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

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

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

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

☐ Yes ☐ No

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

- A vegetation survey by a certified arborist describing the percent canopy cover and relative percentage of major overstory and understory plant species.
Attachment: [Click to enter text.](#)
- Attach a separate engineering report using *30 TAC § 309.20, Subchapter C, Land Disposal of Sewage Effluent* as guidance, excluding items b(3)(A) and b(3)(B). Include a description of the schedule of dosing basin rotation.
Attachment: [Click to enter text.](#)

Item 4. Required Plans (Instructions, Page 78)

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

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

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

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

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

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

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

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

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

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

☐ Yes ☐ No

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

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

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

☐ Yes ☐ No

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

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

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

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

☐ Yes ☐ No

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

INDUSTRIAL WASTEWATER PERMIT APPLICATION

WORKSHEET 4.0: RECEIVING WATERS

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

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

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

☐ Yes ☒ No

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

1. The legal name of the owner of the drinking water supply intake: [Click to enter text.](#)
2. The distance and direction from the outfall to the drinking water supply intake: [Click to enter text.](#)

- b. Locate and identify the intake on the USGS 7.5-minute topographic map provided for Administrative Report 1.0.

☐ Check this box to confirm the above requested information is provided.

Item 2. Discharge Into Tidally Influenced Waters (Instructions, Page 80)

If the discharge is to tidally influenced waters, complete this section. Otherwise, proceed to Item 3.

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

- b. Are there oyster reefs in the vicinity of the discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the oyster reefs: [Click to enter text.](#)

- c. Are there sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If **yes**, provide the distance and direction from the outfall(s) to the grasses: [Click to enter text.](#)

Item 3. Classified Segment (Instructions, Page 80)

The discharge is/will be directly into (or within 300 feet of) a classified segment.

☐ Yes ☒ No

If **yes**, stop here and do not complete Items 4 and 5 of this worksheet or Worksheet 4.1.

If **no**, complete Items 4 and 5 and Worksheet 4.1 may be required.

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

a. Name of the immediate receiving waters: Cedar Lake

b. Check the appropriate description of the immediate receiving waters:

☒ Lake or Pond

- Surface area (acres): 5300
- Average depth of the entire water body (feet): 1
- Average depth of water body within a 500-foot radius of the discharge point (feet): 1

☐ 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: Click to enter text.

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):

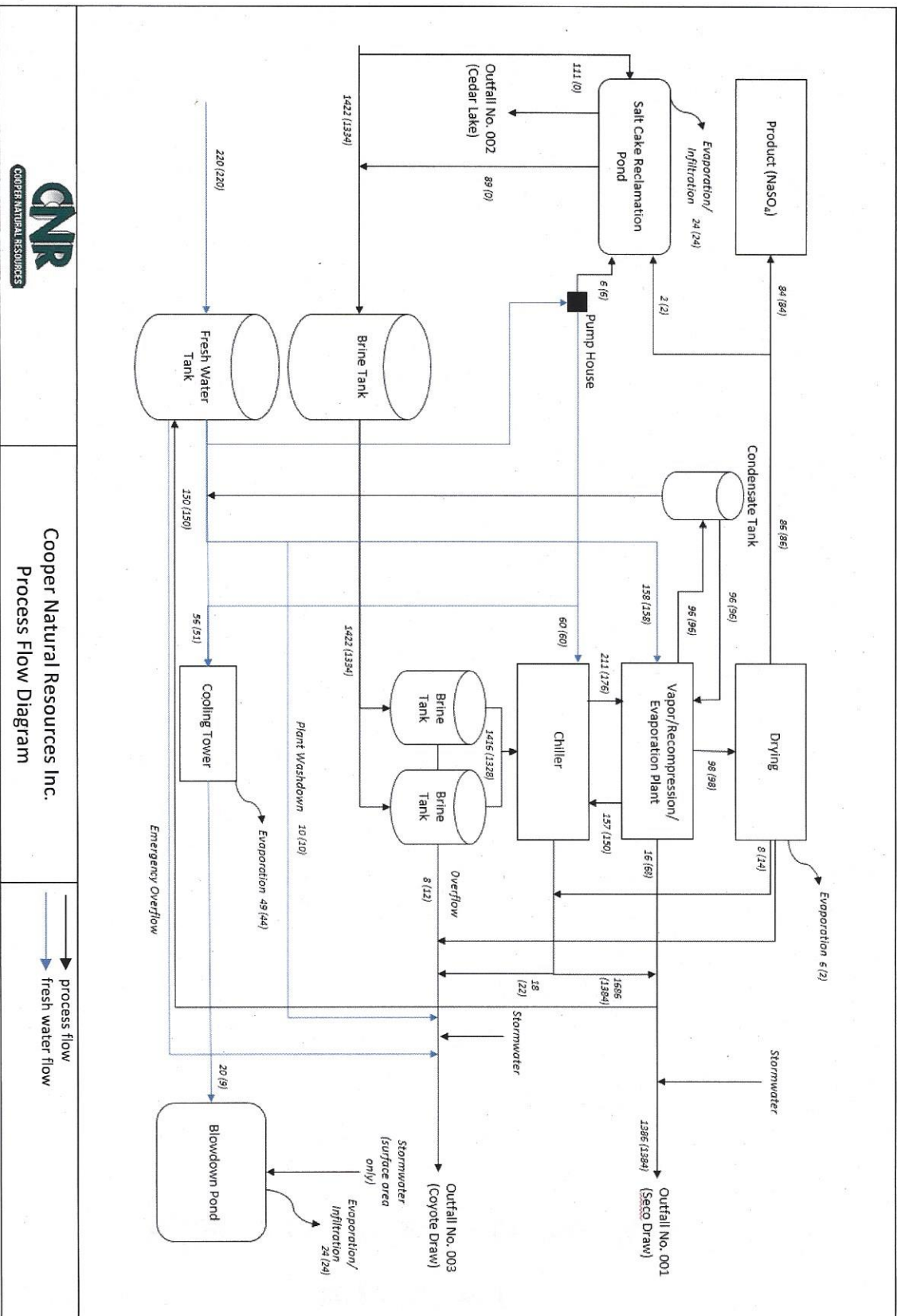
- | | |
|---|---|
| <input type="checkbox"/> oil field activities | <input type="checkbox"/> urban runoff |
| <input type="checkbox"/> agricultural runoff | <input type="checkbox"/> septic tanks |
| <input checked="" type="checkbox"/> upstream discharges | <input type="checkbox"/> other, specify: Click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

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

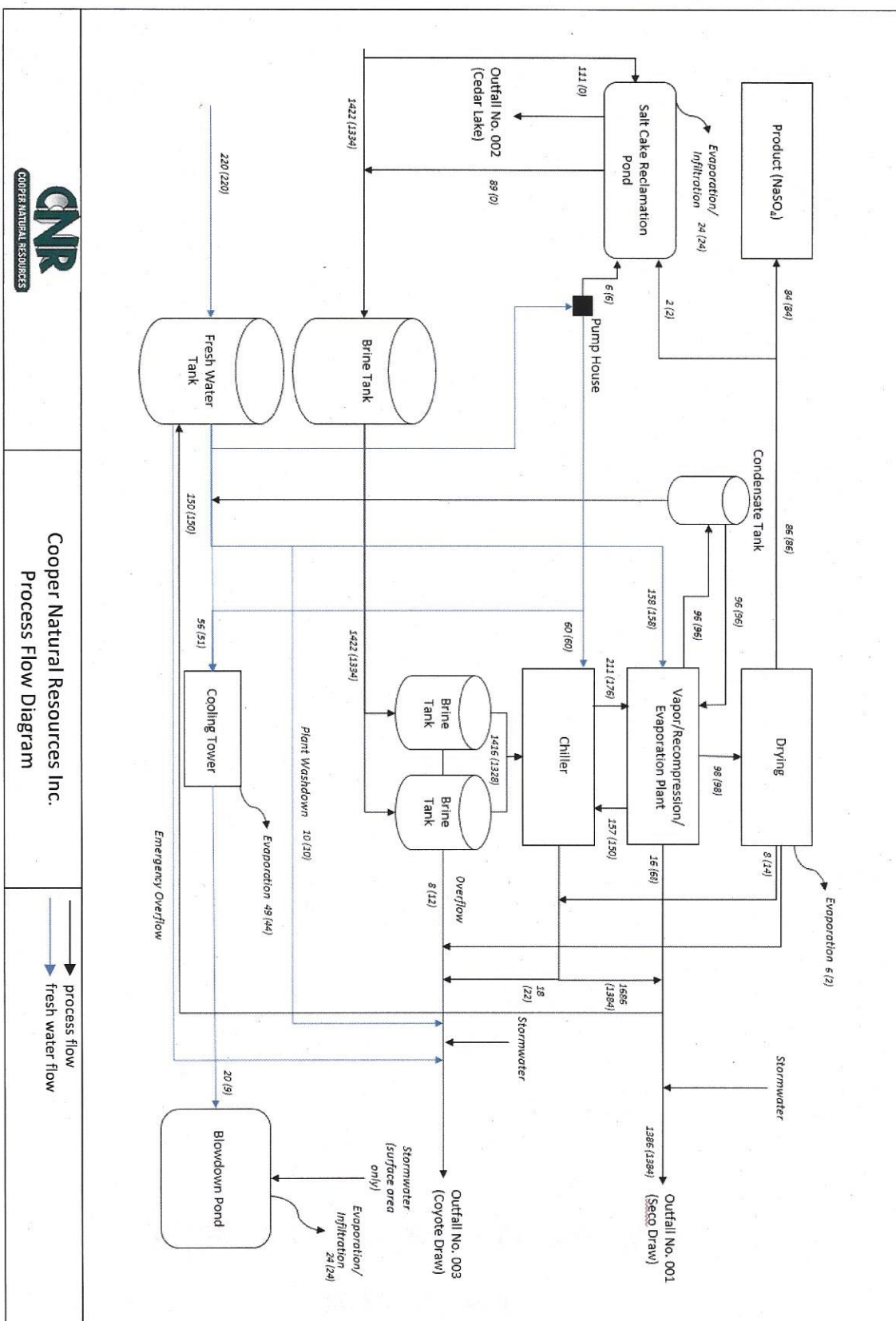
- | | |
|---|---|
| <input type="checkbox"/> livestock watering | <input checked="" type="checkbox"/> industrial water supply |
| <input type="checkbox"/> non-contact recreation | <input type="checkbox"/> irrigation withdrawal |
| <input type="checkbox"/> domestic water supply | <input type="checkbox"/> navigation |
| <input type="checkbox"/> contact recreation | <input type="checkbox"/> picnic/park activities |
| <input type="checkbox"/> fishing | <input type="checkbox"/> other, specify: Click to enter text. |

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

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



Cooper Natural Resources Inc.
Process Flow Diagram



Attachment
Lease Information

AMENDED MINING LEASE

VOL 238 PAGE 345

THIS AGREEMENT OF LEASE, made and entered into as of this
27th day of July, 1964, by and between:

Thornton Lomax, Jr.
702 Mercantile Dallas Building
Dallas, Texas

hereinafter called "Lessor", and OZARK-MAHONING COMPANY, a
Delaware corporation, having an office and place of business
in the Wilcox Building, Tulsa, Oklahoma, hereinafter called
"Lessee";

RECITALS:

1. Under date of September 1, 1961, Lessor executed and
delivered to Lessee a certain Mining Lease "for the sole and
only purpose of mining and operating for and producing alkali
brines, sodium sulfate, magnesium sulfate, and/or salt" from

All of Section 7, Block H, D&W Railway Company
Survey, Gaines County, Texas, containing 640
acres, more or less, to a depth of 150 feet only.

2. Lessor and Lessee have agreed to amend said Mining
Lease dated September 1, 1961, effective September 1, 1964, so
as to make it cover and include

All of Section 17, Block H, D&W Railway Company
Survey, Gaines County, Texas, containing 640
acres, more or less to a depth of 150 feet only,

in consideration of the payment of a bonus of \$4800.00 by Lessee
to Lessor, an increase in the royalty on the production from both
sections to Sixty Cents (60¢) per net dry ton as provided in para-
graph 2(a) hereof, of the mutual covenants and conditions herein-
after contained and of the benefits and royalties to accrue to
Lessor hereunder.

3. Lessor and Lessee have also agreed to amend said Mining
Lease dated September 1, 1961, so as to convert it into a surface
lease, in the event of its termination as a Mining Lease, with

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respect to the surface of the 40 acres of land in which Lessee's
concentrating or processing plant is located.

NOW THEREFORE, for and in consideration of the sum of Eight
Thousand (\$8,000.00) lawful money of the United States by Lessee
to Lessor paid (of which \$4,800.00 is paid as a bonus for the
addition of Section 17 effective September 1, 1964 and of which
\$3,200.00 is paid as the delay rental on Section 7 for the period
beginning September 1, 1964 and ending August 31, 1965 and which
\$8,000.00 payment gives Lessee a "paid-up" lease on both Sections
7 and 17 to August 31, 1965 at which time Paragraph 2(c) hereof
becomes operative) and other valuable considerations, the receipt
and sufficiency of which is hereby acknowledged, the mutual
covenants and conditions hereinafter contained and of the benefits
and royalties to accrue to Lessor hereunder, it is mutually agreed
as follows:

1. Effective September 1, 1964 Lessor does hereby grant,
lease, let and demise unto Lessee exclusively, its successors and
assigns, for the sole and only purpose of mining and operating for
and producing alkali brines, sodium sulfate, magnesium sulfate,
and/or salt, (but this Mining Lease expressly excludes oil, gas
and all other hydrocarbons), the products which Lessee is per-
mitted to mine and operate for hereunder being hereinafter some-
times called "said products", all the following described tracts
or parcels of land (said tracts or parcels of land being herein-
after called the "premises");

All of Sections 7 and 17, Block H, D&W Railway
Company Survey, Gaines County, Texas, containing
1280 acres, more or less, to a depth of 150 feet
only.

And Lessor does hereby grant Lessee, its successors and
assigns, subject to the payment of royalty, as hereinafter pro-

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vided, any and all of said products which may be mined or produced from the premises by Lessee, its successors and assigns, the sole exclusive and unencumbered mining rights and privileges appertaining to the premises to the extent necessary to mine and operate for said products, including, but without limiting the generality of the foregoing, the following rights and privileges:

(a) To open and maintain mines and/or wells upon the premises, to drill for, dig, mine and remove said products from the premises, which Lessee may do by means of wells, shafts, underground mining, or any other method of mining not to exceed a depth of 150 feet below the surface of the lake; provided, however, Lessee shall not conduct any strip mine operations by stripping the overburden from the premises. Lessee agrees to furnish Lessor complete data and analyses on all test holes, core holes and wells within 30 days of completion. Also all information Lessee now has on this area.

(b) To extract, take and market said products (including the right to use any concentrating or beneficiating process to render said products marketable); to treat said products in a mill or plant to be erected on the premises or elsewhere; to ship said products from the premises.

(c) To build, erect, install and maintain upon or under the surface of the premises down to a depth of 150 feet such concentrating or processing plants, equipment and related facilities and such other structures, surface improvements, materials, roads, railroads or tram tracks, cableways, pipe lines as may be necessary or useful in the concentration or processing of said products as well

as products produced from other properties on the premises in order to place same in a marketable form and for transmitting or transporting such products, water, electricity or gas, telephone lines, machinery, equipment and other facilities of any and every nature, and to otherwise use and occupy so much of the surface thereof as Lessee may deem necessary, proper or desirable in connection with its operations under this lease, with due regard for Lessor's right to develop or cause the premises to be developed for oil and gas.

(d) To use, impound, divert or remove, in connection with Lessee's operations under this lease, the surface or underground waters upon, in or under the premises down to a depth of 400 feet below the surface of the lake but this does not give Lessee the right to extract any of said products from waters taken from a depth of more than 150 feet below the surface of the lake, the Lessor hereby waiving and surrendering any claim against Lessee which might arise from the impounding or pollution of any such surface or underground waters on the premises as a result of Lessee's operations under this lease. Lessee agrees to comply with all rules of the regulatory bodies of the State of Texas in this regard.

(e) The right of ingress to and egress from the premises.

(f) To remove at any time during the term of this lease, or within six (6) months thereafter, any and all structures, materials, facilities or property of any nature whatsoever, which Lessee, its successors and assigns may place upon, in or under the premises.

2. TO HAVE AND TO HOLD, all and singular, the premises together with said appurtenances unto Lessee, its successors and assigns, for a term of seven (7) years from September 1, 1964,

hereinafter called the "primary term", and, if production is obtained during the primary term, as long thereafter as Lessee shall pay Lessor royalties of not less than \$6,400.00 per calendar year within the times provided in Paragraphs 2(a) and 10 hereof.

(a) As royalty, Lessee covenants and agrees to pay Lessor Sixty Cents (60¢) per net dry ton of 2,000 pounds for all sodium sulfate, magnesium sulfate and salt produced in marketable form, saved and shipped from Lessee's concentrating or processing plant from the brine or other raw materials taken from the premises by Lessee. Payment of such royalties shall be on a quarter calendar basis, and shall be made on or before the last day of April, July, October and January, for the royalty accruing to Lessor during the preceding quarter calendar year. Each such payment shall be accompanied by a statement showing in detail the method used in determining the amount of royalty due. The first such payment shall cover the period from the day on which Lessor first begins processing brine from the premises to the end of the first complete calendar quarter year thereafter following. All royalties accruing to Lessor under the terms hereof shall be paid to Lessor or deposited to Lessor's credit in the Mercantile National Bank at Dallas, Texas, or its successors, which shall continue as the depository for all royalties, regardless of changes in ownership of the minerals or royalties. Lessor or his designated representative shall have the right to verify the amount of royalty due him from an examination of Lessee's pertinent books and records at Tulsa, Oklahoma, during normal business hours. Lessor stipulates and agrees that any

change or division in the ownership of the minerals covered by this lease or the royalties accrued hereunder, however accomplished, shall not be binding upon Lessee until Lessee has been furnished with written notice and satisfactory proof thereof.

(b) It is understood and agreed that Lessee may operate its plants with brine taken both from the premises and from other properties, and that it will be impossible for Lessee to segregate and keep separate the sodium sulfate, magnesium sulfate, and/or salt produced from brine taken from the premises, from the sodium sulfate, magnesium sulfate, and/or salt produced from brine taken from other properties. It is further agreed whenever Lessee operates its plant with brine taken from both the premises and from other properties as aforesaid, it will measure and analyze daily the brine taken by it from the premises at the premises and will keep accurate records of the quantity taken and chemical analysis thereof. The number of tons of sodium sulfate, magnesium sulfate, and/or salt, in respect of which Lessor shall be entitled to royalty hereunder for the quarter calendar year in question, shall be computed in accordance with the following formula ("brine" in the following formula means brine taken from the premises):

Gallons of brine times eight and one-third (8-1/3) pounds times specific gravity of the brine times percentage by weight of sulfate in the brine plus percentage by weight of sodium in the brine (percentage of sodium not to be over the theoretical amount required by the percentage of sulfate to form sodium sulfate) times percentage recovery of sodium sulfate (but not less than eighty percent (80%) divided by 2,000.

It is agreed that the foregoing formula will give due effect to the relative difference in the chemical content of the

brine taken from the premises and the brine taken by Lessee from other properties.

(c) If production is not obtained on the premises on or before the first anniversary date hereof, i.e., September 1, 1965, this lease shall terminate as to both parties, unless Lessee on or before said date shall, subject to the further provisions hereof, pay or tender to Lessor or to Lessor's credit in the Mercantile National Bank at Dallas, Texas, or its successors, which shall continue as the depository regardless of changes in ownership of the delay rental, the sum of Six Thousand Four Hundred Dollars (\$6,400.00) which shall operate as delay rental and covers the privilege of deferring operations for one year from said date. In like manner and upon like payments or tenders, operations may be further deferred for like periods of one year each during the primary term. Any payment hereunder may be made by check or draft of Lessee deposited in the mail or delivered to Lessor or to the depository bank named above, on or before the last date for payment. Any payment or tender which is made in an attempt to make proper payment, but which is erroneous in whole or in part as to parties, amount or depository shall nevertheless be sufficient to prevent termination of the lease and to extend the time within which operations may be conducted in the same manner as though a proper payment had been made; provided, however, Lessee shall correct such error within thirty (30) days after Lessee has received written notice thereof from Lessor.

3. (a) Should Lessee fail or refuse to pay any royalty due hereunder within twenty (20) days from the

date the payment thereof becomes due, then Lessor shall have the right to terminate this lease upon giving at least thirty (30) days written notice to Lessee of his intention so to do; provided, however, that Lessee shall have the right to make such payment at any time during said notice period and thereby effect a nullification of such notice of termination.

(b) Lessee shall have the right to terminate and surrender this lease and be relieved of its future obligations hereunder at any time upon giving Lessor at least thirty (30) days written notice of its intention so to do. Within thirty (30) days after the effective date of any termination of this lease as herein provided, Lessee shall finally account to and pay Lessor for any and all royalty accruing hereunder to such date of termination.

4. The rights of either party hereunder may be assigned in whole or in part, and the provisions hereof shall extend to the heirs, personal representatives, successors, or assigns of the parties hereto, but no change or division in the ownership of the minerals covered by this lease, the royalties or delay rentals accruing hereunder, however accomplished, shall operate to enlarge the obligations or diminish the rights of the Lessee.

5. Lessee agrees to indemnify and hold Lessor harmless of and from any claim or demand of whatsoever nature for injuries or damages to the person or property of any individual, firm or corporation, not a party to this lease, arising out of the operations conducted by Lessee on the premises.

6. Lessor hereby warrants and agrees to defend the title to the premises, and agrees that Lessee at its option may discharge

any tax, mortgage or other lien upon the premises, and in the event Lessee does so, it shall be subrogated to such lien, with the right to enforce same and apply royalties accruing hereunder, towards satisfying same. Without impairment of Lessee's rights under this warranty, in the event of failure or partial failure of Lessor's title, it is agreed that if as a result thereof, Lessor owns an interest in said premises less than the entire fee simple estate, then the royalties to be paid Lessor shall be reduced proportionately.

7. If the premises are now, or shall hereafter be, owned in severalty or in separate tracts, the premises nevertheless shall be developed and operated as one lease, and all royalties accruing hereunder shall be treated as an entirety and shall be divided among, and paid to, such separate owners in the proportion that the acreage owned by each such separate owner bears to the entire premises.

8. Any notice herein required or permitted to be given by either party to the other, shall be deemed to have been given when deposited in the United States mails, by registered mail, with postage fully prepaid, and addressed to the party or parties as follows:

Ozark-Mahoning Company
310 West Sixth Street
Wilcox Building
Tulsa, Oklahoma

Thornton Lomax, Jr.
702 Mercantile Dallas Bldg.
Dallas, Texas

or addressed to said party or parties at any other address which may be furnished in writing by any such party to the other party during the term of this lease, the last address so furnished being taken as the proper address in any given case.

9. Lessor and Lessee expressly stipulate and agree, anything to the contrary herein notwithstanding:

(a) That this is a lease of Lessor's fee simple title to the alkali brines, sodium sulfate, magnesium sulfate and salt on, in or under the land above described and not a sale thereof to Lessee.

(b) That this is essentially a sodium sulfate lease but in order to produce and extract same in marketable form, Lessee shall have the right to produce and remove from the premises all brines found at a depth not to exceed 150 feet below the surface of the lake irrespective of the minerals contained therein other than sodium sulfate, magnesium sulfate and salt (except oil, gas and all other hydrocarbons) and all water found at a depth not to exceed 400 feet below the surface of the lake, and Lessee may, at its option, discard or waste all brines and waters regardless of the minerals contained therein after the recoverable sodium sulfate has been extracted therefrom.

10. If, after production is obtained on the premises, the royalty accruing to Lessor hereunder amounts to less than \$6,400.00 in any lease year, i.e., September 1 to August 31, Lessee shall pay to Lessor or deposit to Lessor's credit in the depository named in paragraph 2(a) hereof a sum of money equal to the difference between the royalty accruing to Lessor for such lease year and \$6,400.00, such payment to be made within thirty (30) days following the close of such lease year; provided, however, Lessee shall be under no obligation to pay Lessor such minimum royalty in any lease year during the primary term at the start of which Lessee pays Lessor a delay rental of \$6,400.00.

11. Automatic Conversion of Mining Lease to Partial Surface Lease. Upon the termination and release of this Amended Mining Lease dated as of this 27th day of July, 1964, irrespective of the

cause thereof, Lessor automatically grants, leases, lets and demises unto Lessee exclusively, its successors and assigns, without further instrument of lease or conveyance, the surface rights only in and to the NW/4 of the NW/4 of Section 17, Block H, D&W Railway Company Survey, Gaines County, Texas, containing 40 acres, for a term as long as Lessee has a concentrating or processing plant located on any part of said 40 acres and pays Lessor a rental of \$1,200.00 per year, payable in equal monthly installments of \$100.00 on the 1st day of each and every calendar month in advance. As provided in paragraph 3(b) hereof, Lessee may terminate and surrender this Amended Mining Lease dated as of this 27th day of July, 1964, at any time upon giving Lessor at least thirty days written notice of its intention so to do and which said notice of election to terminate and surrender shall be accompanied by a duly executed release thereof to take effect at the end of said thirty day period. The automatic lease of surface rights only in and to the 40 acres above described shall take effect simultaneously with the termination and release of this Amended Mining Lease dated as of this 27th day of July, 1964, and the first month's rental shall be due and payable on or before the effective date thereof. The automatic lease of surface rights only in and to the 40 acres above described shall carry with it the right on Lessee's part to use, impound, divert or remove the surface or underground waters upon, in or under the 40 acres above described to a depth of 400 feet below the surface but this does not give Lessee the right to extract any of said products from such water. If Lessee should fail or refuse to pay any monthly rental for the surface lease on the due date thereof, then Lessor shall have the right to terminate such surface lease

upon giving fifteen days written notice to Lessee of its intention so to do; provided, however, Lessee shall have the right to make such rental payment at any time during said notice period and thereby effect a nullification of such notice of termination and reinstate said surface lease. Lessee shall have the right to remove at any time during the term of such surface lease, or within six months following its termination, any and all structures, materials, facilities or property of any nature whatsoever which Lessee, its successors and assigns, may place upon, in or under the surface of the 40 acres above described. It is the intent of this paragraph that if this Amended Mining Lease dated as of this 27th day of July, 1964, terminates and is released and Lessee has erected or otherwise placed upon the 40 acres above described a concentrating or processing plant for the concentration or processing of said products produced from the premises or from other properties, then in such event Lessee shall be under no obligation to remove said concentrating or processing plant therefrom but may continue to concentrate or process therein products produced from other properties and otherwise use the surface of the 40 acres above described as long as it pays Lessor a rental of \$1,200.00 per year payable in equal monthly installments of \$100.00 on the 1st day of each calendar month in advance.

IN WITNESS WHEREOF, the Lessor has hereunto affixed his hand as of the day and year first above written.

Thornton Lomax, Jr.
Thornton Lomax, Jr.

OZARK-MAHONING COMPANY

By [Signature]
President

ATTEST:

[Signature]
Secretary

STATE OF TEXAS

COUNTY OF Archer

)
) SS

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Before me, the undersigned, a Notary Public, in and for said County and State, on this _____ day of _____, 1964, personally appeared _____

to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal of office the day and year above written.

Notary Public

My commission expires:

June 1, 1965

STATE OF OKLAHOMA

COUNTY OF TULSA

)
) SS
)

Before me, the undersigned, a Notary Public in and for said County and State, on this 7th day of August, 1964, personally appeared _____

Wm. J. Steinman, President
known to me to be the person and officer whose name is subscribed to the foregoing instrument and acknowledged to me that the same was the act of the said Ozark-Mahoning Company, a corporation, and that he executed the same as the act of such corporation for the purposes and consideration therein expressed, and in the capacity therein stated.

Given under my hand and seal of office, this 7th day of August, 1964.

Priscilla M. Lincoln
Notary Public

My commission expires:

May 7, 1966.

THE STATE OF TEXAS
County of Gaines

I, CHESTER D. BROWNE, Clerk of the County Court in and for said County, do hereby

certify that the foregoing instrument dated the 7th day of August A.D. 1964...
together with its certificates of authentication was filed for record in my office the 14th day of August...
A.D. 1964, at 4:45 o'clock P.M., and duly recorded on the 17th day of August A.D. 1964...
in Deed records of Gaines County, in volume 255 on page 345.

WITNESS MY HAND AND OFFICIAL SEAL, at my office in Seminole, Texas, the day and year last above
written.

CHESTER D. BROWNE, Clerk County Court, Gaines County, Texas

(L.S.)

By *Lay Ann Shippo* Deputy

File # 4509
Amended Mining
Deed
Horatio L. Smay, Jr.
vs.
Clark + Mahoning Co.
FILED FOR RECORD
14 day of Aug. 1964
4:45 P.M.
Chester D. Browne, County Clerk
Gaines County, Texas
By Lay Ann Shippo
Aug 13 1964
Clark + Mahoning Co.
Box 1029
Brownfield

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ASSIGNMENT OF LEASES

WHEREAS, certain leases were made and entered into by and between Record Owners and Ozark-Mahoning Company, a Delaware corporation, covering the following described land in Gaines, Lynn and Terry Counties, State of Texas, to wit:

See attached Exhibit "A"

WHEREAS, the said leases and all rights thereunder or incident thereto are now owned by Ozark-Mahoning Company, c/o General Counsel, Elf Atochem North America, Inc., 2000 Market Street, Philadelphia, Pennsylvania, 19103.

NOW, THEREFORE, for and in consideration of One Dollar and No/100 (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, the undersigned, the present owner of the said leases and all rights thereunder or incident thereto, does hereby bargain, sell, transfer, assign, and convey all rights, title and interest of the original lessee and present owner in and to said leases and rights thereunder in so far as it covers the above described land, together with all personal property owned by Grantor and used in connection therewith to Cooper Natural Resources, Inc., a Missouri corporation, P. O. Box 1477, Seagraves, Texas 79359 and its successors and assigns.

And for the same consideration, the undersigned for it and its successors and representatives, does covenant with said assignee, its successors, or assigns, that Ozark-Mahoning Company, a Delaware corporation, is the lawful owner of the said leases and rights and interests thereunder and of the personal property thereon or used in connection therewith; that the undersigned has good right and authority to sell and convey the same, and that said rights, interest and property are free and clear from all liens and incumbrances, and that all rentals and royalties due and payable thereunder have been duly paid and that the undersigned will warrant and defend the same against the lawful claims and demands of all persons whomsoever by, through and under Assignor herein.

IN WITNESS WHEREOF, The undersigned owner and assignor has signed this instrument this the 13th day of December A.D., 1996.

OZARK-MAHONING COMPANY, a Delaware corporation

By:

F.H. Lauchert
Its Executive Vice President

STATE OF PENNSYLVANIA

§

§

COUNTY OF PHILADELPHIA

§

This instrument was acknowledged before me on the 13th day of December A.D. 1996 by F.H. Lauchert, Executive Vice President of Ozark-Mahoning Company, a Delaware corporation, on behalf of said corporation.

Margaret Christy
Notary Public for the State of Pennsylvania

P:\C177\WPFILES\OCS\OZARK.DED

NOTARIAL SEAL
MARGARET CHRISTY, Notary Public
City of Philadelphia, Phila. County
My Commission Expires Sept. 5, 1998

630-210-316

EXHIBIT A

Part 1

Gaines County -- Mineral Leases

1. Lease executed by Thorton Lomax, Jr. (now held by Catherine Howell and Barbara Lomax Hitzelberger, Trustees), to Ozark-Mahoning Company, dated September 16, 1961, covering all of Section 7, Block H, D & W Ry. Company Survey in Gaines County, Texas, amended by Lease dated July 2, 1964 covering all of Section 7 and Section 17, Block H, D & W Ray Company survey in Gaines County, Texas, as amended.

Segment 1:

2. Lease executed by Northern Trust Bank of Texas, Trustee of the R. W. McIlvan, Jr. Trust to Ozark-Mahoning Company, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
3. Lease executed by First Security National Bank, Trustee of the R. W. McIlvan, Jr. Trust to Ozark-Mahoning Company, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
4. Lease executed by Mobil Producing Texas & New Mexico, Inc. to Ozark-Mahoning Company, dated September 1, 1984, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
5. Lease executed by Jack D. Close to Ozark-Mahoning Company, dated February 1, 1985, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
6. Lease executed by Melvin D. Close to Ozark-Mahoning Company, dated February 1, 1985, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
7. Lease executed by L. Gene Close to Ozark-Mahoning Company, dated February 1, 1985, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.
8. Lease executed by Wayne C. Close to Ozark-Mahoning Company, dated February 1, 1985, covering all of Section 1, A.C.H. & B. Ry. Co. Survey, Certificate No. 135, Gaines County, Texas.

Segment 2:

9. Lease executed by Scottish Rite Hospital to Ozark-Mahoning Company, dated October 1, 1984, covering the East 1/2 the North 1/3RD of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.
10. Lease executed by Burlington Oil & Gas to Ozark-Mahoning Company, dated October 1, 1984, covering the East 1/2 the North 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.
11. Lease executed by InterFirst Bank Dallas, N.A. and Mary Ethel Walter, Co-Trustees under the Will of N. C. Walter, deceased to Ozark-Mahoning Company, dated October 1, 1984, covering the East 1/2 of the North 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Land Gaines County, Texas.
12. Lease executed by Southland Royalty Company to Ozark-Mahoning Company, dated October 1, 1984, covering the East 1/2 of the North 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Lands Gaines County, Texas and the South 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Lands, Gaines County, Texas.

Segment 3:

13. Lease executed by John Cole Draper, Jr. to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
14. Lease executed by David Merrill Draper to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
15. Lease executed by Susan Lynn Morris to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
16. Lease executed by John C. Draper to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
17. Lease executed by Faye Miller to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.

18. Lease executed by John T. Rife to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
19. Lease executed by Hilda Merle Coker to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
20. Lease executed by Jeri Margaret Taylor to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
21. Lease executed by Anita Beth Adams Moore to Ozark-Mahoning Company, dated September 17, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
22. Lease executed by Faye Bennett Wilcher to Ozark-Mahoning Company, dated June 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
23. Lease executed by Malcolm M. Wahle et al. to Ozark-Mahoning Company, dated July 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
24. Lease executed by Pacific Enterprises ABS Corporation to Ozark-Mahoning Company, dated October 1, 1964, covering the N 1/2 of the South 2/3rds acres of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
25. Lease executed by Lloria L. LaForce and William Watson LaForce, Jr., Co-Independent Executors of the Estate of W. Watson LaForce, Sr. to Ozark-Mahoning Company, dated April 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
26. Lease executed by T. I. Harkins, Dr. Pat Harkins and Jan Harkins Crews to Ozark-Mahoning Company, dated July 1, 1965, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
27. Lease executed by First City National Bank of Houston, Trustee of the Harold F. Shore Trust and Co-Trustee of the Mary Margaret Shore 1975 Trust and Mary Margaret Shore, Co-Trustee of the Mary Margaret Shore 1975 Trust to Ozark-Mahoning Company, dated November 1, 1985, covering the Mid 1/3rd of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.

28. Lease executed by First City National Bank of Houston and Effie L. Flude, Co-Trustees of the John W. Flude Trust and Effie L. Flude to Ozark-Mahoning Company, dated November 1, 1985, covering the Mid 1/3rd of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
29. Lease executed by Susan F. Moore to Ozark-Mahoning Company, dated November 1, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
30. Lease executed by First City National Bank of Houston and Effie L. Flude, Co-Trustees of the John W. Flude Estate Trust and Effie L. Flude, Individually for the Effie L. Flude Trust, to Ozark-Mahoning Company, dated November 1, 1985, covering the N 1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
31. Lease executed by William W. Crowell, John H. Crowell, Jr. and David Crowell to Ozark-Mahoning Company, dated January 1, 1989, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
32. Lease executed by the MBank Houston National Association, Independent Executor of the Estate of Helen Rorbach Kannenstine, deceased, and Trustee of the Louis F. Kannenstine Trust, the Emily Ann Kannenstine Trust and the David E. Kannenstine Trust to Ozark-Mahoning Company, dated June 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
33. Lease executed by The First National Bank and Trust Company Of Tulsa, Trustee of the Glenda B. Stiles Revocable Trust to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
34. Lease executed by The First National Bank and Trust Company Of Tulsa, Trustee of the William E. Stiles, Sr. Family Fund to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
35. Lease executed by Ruth Stiles Oberg to Ozark-Mahoning Company, dated July 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
36. Lease executed by Emily Bess Cathey to Ozark-Mahoning Company, dated October 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.

37. Lease executed by First American Bank & Trust, Trustee of the Lucy Cobb Trust to Ozark-Mahoning Company, dated March 1, 1989, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
38. Lease executed by Iris LeMay Mills Foote to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
39. Lease executed by John H. Wilson to Ozark-Mahoning Company, dated May 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
40. Lease executed by James A. Parker, Individually and as Co-Independent Executors of the Estate of Emily H. Parker et al to Ozark-Mahoning Company, dated November 1, 1985, covering the Mid 1/3rd of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
41. Lease executed by David Noble Parker to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
42. Lease executed by Kenneth L. Parker to Ozark-Mahoning Company, dated August 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
43. Lease executed by Myrtle C. Floyd and F. M. Floyd to Ozark-Mahoning Company, dated September 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
44. Lease executed by Mrs. H.E. Banta to Ozark-Mahoning Company, dated July 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
45. Lease executed by Ralph S. Jackson, Individually and as Trustee of the Ralph S. Jackson Trust and James C. Jackson, Individually and as Trustee of the Ralph S. Jackson Trust to Ozark-Mahoning Company, dated July 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.
46. Lease executed by First City National Bank of Houston and T. I. Harkins, Co-Trustees of the Janet Smith Heyl Trust and Jerry A. Smith, Individually for the Jerry A. Smith Trust to Ozark-Mahoning Company, dated November 1, 1985, covering the N1/2 of the South

2/3rds of the North 400 acres in Section 9, Block C-30, Public School Land, Gaines County, Texas.

47. Lease executed by James C. Jackson and Dauris J. Cranbury to Ozark-Mahoning Company, dated July 1, 1985, covering the N1/2 of the South 2/3rds of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.
48. Lease executed by Sabine Corporation to Ozark-Mahoning Company, dated October 1, 1984, covering the N 1/2 of the South 2/3rds of the North 400 acres of Section 9, Block C-30, Pubic School Land, Gaines County, Texas.

Segment 4:

49. Lease executed by Trust Corporation of Montana FBO of Bessie Whelan to Ozark-Mahoning Company, dated September 31, 1985, covering the South 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.
50. Lease executed by Arlon Bernice and Kathryn Bray to Ozark-Mahoning Company, dated August 1, 1985, covering the South 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.
51. Lease executed by Beatrice Blackburn to Ozark-Mahoning Company, dated August 1, 1985, covering the South 1/3rd of the North 400 acres of Section 9, Block C-30, Public School Land, Gaines County, Texas.

EXHIBIT A

Part 2

Gaines County -- Miscellaneous and Rail Leases

1. Option and Lease Agreement executed by Billy Morris Sanderson to Ozark-Mahoning Company, dated December 17, 1986, establishing a 60' right-of-way for roadway and other purposes covering the North 1/3rd of Section 30, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
2. Option and Lease Agreement executed by Neil D. Sanderson and Maudie I. Sanderson to Ozark-Mahoning Company, dated December 17, 1986, establishing a 60' right-of-way for roadway and other purposes covering the South 2/3rds of Section 30, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
3. Option and Lease Agreement executed by Mozelle Love to Ozark-Mahoning Company, dated December 17, 1986, establishing a 60' right-of-way for roadway and other purposes covering all of Section 19, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
4. Option and Lease Agreement executed by Charles M. Medlin and Wanda Summers to Ozark-Mahoning Company, dated December 17, 1986, establishing a 60' right-of-way for roadway and other purposes covering the NE 1/4 of Section 20, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
5. Water Lease executed by Morris W. Sanderson and Byrdie Doak Sanderson to Ozark-Mahoning Company, dated September 8, 1964, covering Sections 30 & 31, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
6. Water Lease executed by Neil D. Sanderson and Maudie Sanderson to Ozark-Mahoning Company, dated June 1, 1980, covering the W 1/2 of Section 29, Block H, D & W Ry. Co. Survey in Gaines County, Texas.
7. Lease of Land (short term) executed by The Atchison, Topeka & Santa Fe Railway Company to Ozark-Mahoning Company, dated July 20, 1984, covering property situated near Seagraves, Gaines County, Texas.
8. Contract for Industry Tract executed by The Atchison, Topeka & Santa Fe Railway Company to Ozark-Mahoning Company, dated January 8, 1985, covering tracts near Seagraves, Gaines County, Texas.

9. Supplemental Agreement executed by The Atchison, Topeka & Santa Fe Railway Company to Ozark-Mahoning Company, dated May 28, 1986, amending the terms of an original contract dated March 16, 1965 covering property at Seagraves, Gaines County, Texas.
10. Supplemental Agreement executed by The Atchison, Topeka & Santa Fe Railway Company to Ozark-Mahoning Company, dated May 28, 1986, Seagraves, Gaines County, Texas.
11. Pipe Line License executed by The Atchison, Topeka and Santa Fe Railway Company to Ozark-Mahoning Company, dated August 26, 1965, covering property in Seagraves, Gaines County, Texas.
12. Pipe Liner License executed by Terminal Building Corporation of Texas to Ozark-Mahoning Company, dated August 26, 1965, covering property in Seagraves, Gaines County, Texas.
13. Right-of-Way executed by Morris W. Sanderson and Byrdie Doak Sanderson to Ozark-Mahoning Company, dated September 8, 1964, establishing an access easement and other rights over the East 100 feet of Section 31, Block H, D-W Railway Co. Survey in Gaines County, Texas.

RO006008

ASSIGNMENT OF LEASES

OZARK-MAHONING COMPANY

To

COOPER NATURAL RESOURCES

Filed For Record

On

Dec 20, 1996

At

12:12P

Honorable Pat Lacy
County Clerk
Gaines County, Texas
By Regina Garrett

Total

24.00

JOE MCGILL
P.O. box 728
Seminole, TX 79360

STATE OF TEXAS COUNTY OF GAINES
I hereby certify that the foregoing instrument was
filed on this date and time, scanned, indexed,
by me and was duly recorded in the volume
and page of my official records of Gaines
County, Texas as shown below on me.

DEC 20 1996



PAT LACY
COUNTY CLERK
GAINES COUNTY, TEXAS

RailAmerica



644 E. Huron Ave.
P.O. Box 70
Bad Axe, MI 48413
(517) 269-6744 • FAX (517) 269-2921

December 16, 1996

Mr. Larry Blazynski
Corporate Logistics
Elf Atochem North America, Inc.
2000 Market Street
Philadelphia, PA 19103

Re: Ozark-Mahoning Company Agreements at Seagraves and Brownfield, Texas

Dear Larry

The West Texas and Lubbock Railroad, a subsidiary of RailAmerica, Inc., is successor in interest to the former Atchison, Topeka & Santa Fe Railway Company's Lubbock to Seagraves rail line, including, specifically, various agreements with Ozark-Mahoning as outlined in the letter of September 19 from Walter Schmacher of your company to Blaine Bilderback, of Burlington Northern Santa Fe

We understand that the last agreement listed, Lease of Track Space for Storage of Cars dated July 20, 1996)) was temporary and had been terminated about 1991 but that the other agreements remain in effect.

This will confirm our conversation in which I stated RailAmerica will conditionally agree to the assignment of all agreements currently in effect with Ozark-Mahoning Company to Cooper Natural Resources, Inc., upon closing of the sale, which we understand is scheduled for December 19, 1996.

Because of the length of time these agreements have been in effect and the changes of ownership, we desire to enter into new agreements between ourselves and Cooper, following our inspection of the sites which we expect to perform in the first quarter of 1997. We understand that Cooper Natural Resources will continue to conduct business and accept all of the Lessee's responsibilities and liabilities under the existing agreements until the new agreements are submitted to them following those inspections.

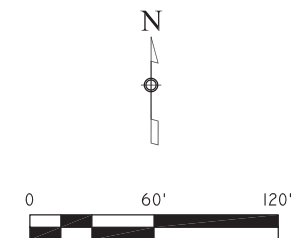
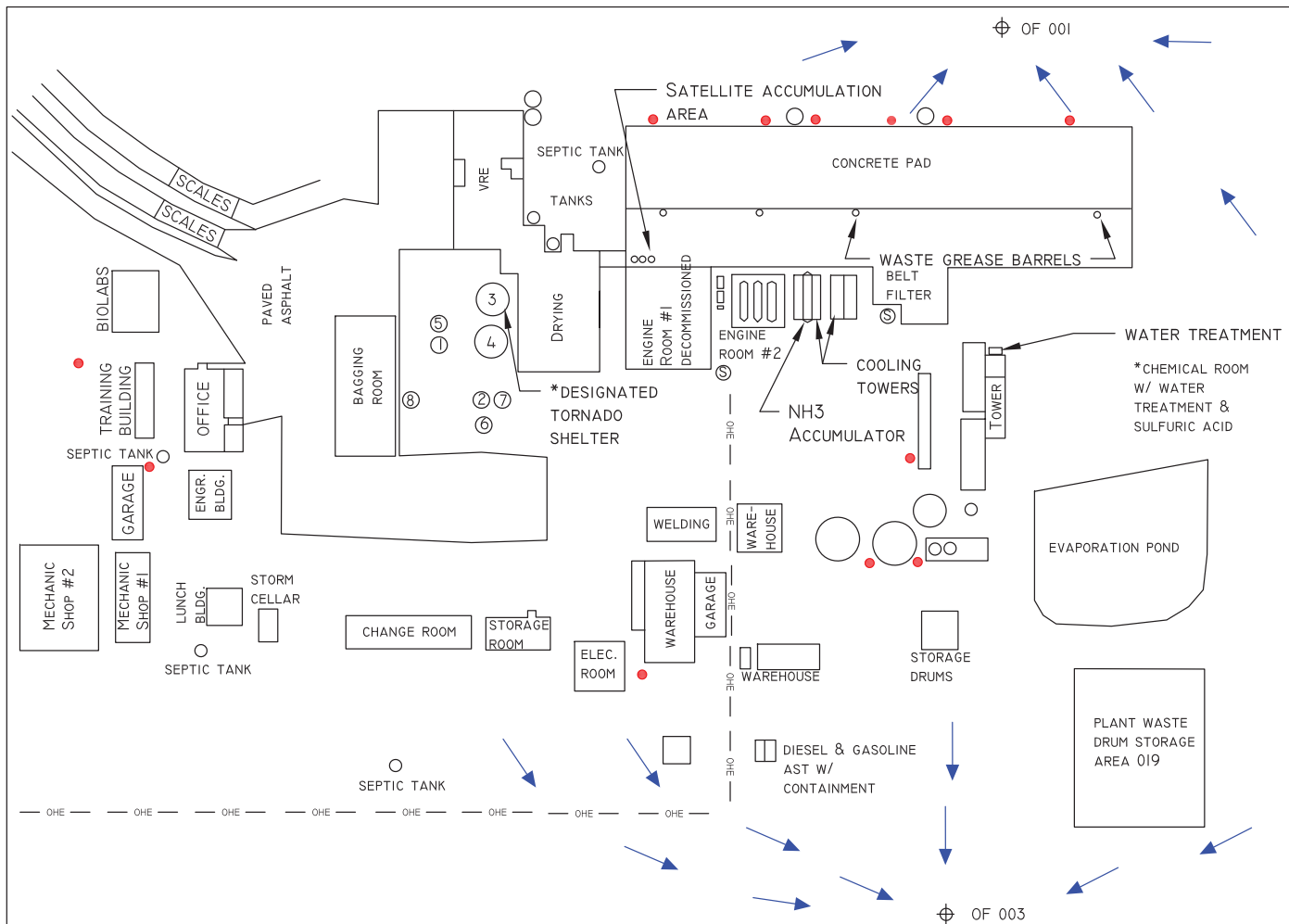
Please note that under the assignment, we consider that Cooper Natural Resources is assuming full liability for any on-site contamination attributable to the sodium sulfate business or its predecessor operations by Ozark-Mahoning.

We also note there are some outstanding rents due under some of the agreements. An invoice will be forwarded to you under separate cover.

Sincerely,

Ralph Iden
Assistant Vice President

cc R. Jany





LEGEND

- OHE — OVERHEAD ELECTRIC LINE
- ← DRAINAGE FLOW
- SECURITY LIGHTING
- ⊙ SPILL KIT
- ⊕ OUTFALLS

24 HR. - 25YR. RAINFALL: 5.08"

FACILITY LAYOUT

		COMPANY: COOPER NATURAL RESOURCES
		PROJECT: 23-6413
		TITLE: FACILITY LAYOUT
		LOCATION: CEDAR LAKE PLANT
		DATE: 12-2023

