Technical Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Second notice (NAPD-Notice of Preliminary Decision)
   - English
   - Alternative Language (Spanish)
4. Application materials (**NOTE:** This application was declared Administratively Complete before June 1, 2024. Application materials are available for review at the Public Viewing Location provided in the NORI.)
5. Draft permit
6. Technical summary or fact sheet

Portada de Paquete Técnico

Este archivo contiene los siguientes documentos:

1. Resumen de la solicitud (en lenguaje sencillo)
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, Aviso de Recepción de Solicitud e Intención de Obtener un Permiso)
   - Inglés
   - Idioma alternativo (español)
3. Segundo aviso (NAPD, Aviso de Decisión Preliminar)
   - Inglés
   - Idioma alternativo (español)
4. Materiales de la solicitud (**NOTA:** Esta solicitud se declaró administrativamente completa antes del 1 de junio de 2024. Los materiales de la solicitud están disponibles para revisión en la ubicación de consulta pública que se indica en el NORI.)
5. Proyecto de permiso
6. Resumen técnico u hoja de datos

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

Enterprise Products Operating LLC (CN603211277) proposes to operate Yoakum Cryogenic Plant (RN 106059777) located at 3721 U.S. Highway 77 ALT, Yoakum, Lavaca County, Texas 77995, which treats and compresses natural gas and stores natural gas liquids (NGLs).

This application is a renewal application to discharge an annual average of 20,000 gallons per day of reject well water for a reverse osmosis system in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Part I, Part II, and Part II of National Pollutant Discharge Elimination System (NPDES) Permit No. TX0134077. Enterprise is also requesting a permit modification for the removal of the Site-specific Storm Water Pollution Prevention Plan (SWPPP).

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

Enterprise Products Operating LLC (CN603211277) propone operar la Planta Criogénica Yoakum (RN 106059777) ubicada en 3721 U.S. Highway 77 ALT, Yoakum, Condado de Lavaca, Texas 77995, que trata y comprime gas natural y almacena líquidos de gas natural (NGL).

Esta solicitud es una solicitud de renovación para descargar un promedio anual de 20,000 galones de aguas rechazadas de un sistema de ósmosis inversa de acuerdo con las limitaciones de efluentes, los requisitos de monitoreo y otras condiciones establecidas en la Parte I, Parte II y Parte II del Sistema Nacional de Eliminación de Descargas de Contaminantes (NPDES). Permiso No. TX0134077. Enterprise también solicita una modificación del permiso para la eliminación del Plan de prevención de la contaminación de aguas pluviales específico del sitio (SWPPP).

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

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

PERMIT NO. WQ0005371000

APPLICATION. Enterprise Products Operating LLC, P.O. Box 4324, Houston, Texas 77210, which owns a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) to renew Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005371000 (EPA I.D. No. TX0134077) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 17,280 gallons per day. The facility is located at 3721 U.S. Highway 77-Alternate North, near the city of Yoakum, in Lavaca County, Texas 77995. The discharge route is from the plant site via pipe to an unnamed tributary, thence to Clarks Creek, thence to Lavaca River Above Tidal. TCEQ received this application on March 20, 2024. The permit application will be available for viewing and copying at Lavaca County Courthouse Annex, 412 North Texana Street, Halletsville, in Lavaca County, Texas prior to the date this notice is published in the newspaper. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.1093,29.342815&level=18

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

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

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

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

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

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

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period. 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 Enterprise Products Operating LLC at the address stated above or by calling Kyle Brewer, Scientist, Senior Environmental, at 713-381-3592.

Issuance Date: April 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. WQ0005371000

SOLICITUD. Enterprise Products Operating LLC, P.O. Box 4324, Houston, Texas 77210, propietaria de una instalación de procesamiento de gas natural, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para renovar el Permiso No. WQ0005371000 (EPA I.D. No. TX 0134077) 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 17,280 galones por día. La planta está ubicada 3721 U.S. Highway 77 – Alternativo Norte en el Condado de Lavaca, Texas 77995. La ruta de descarga es del sitio de la planta a través de una tubería hasta un afluente sin nombre, de allí a Clarks Creek y de allí al río Lavaca Above Tidal. La TCEQ recibió esta solicitud el 20 de marzo de 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Lavaca County Courthouse Annex 412 North Texana Street, Hallettsville en el condado de Lavaca, 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://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.1093,29.342815&level=18

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

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

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después

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

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

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

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

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

También se puede obtener información adicional de Enterprise Products Operating, LLC a la dirección indicada arriba o llamando al Sr. Kyle Brewer, Científico, Ambiental Senior, al 713-381-3592.

Fecha de emisión 30 de abril de 2024

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN A WATER QUALITY PERMIT (NORI)
AND
NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR INDUSTRIAL WASTEWATER RENEWAL

Permit No. WQ0005371000

APPLICATION AND PRELIMINARY DECISION. Enterprise Products Operating LLC, P.O. Box 4324, Houston, Texas 77210, which operates Yoakum Cryogenic Plant, a natural gas processing facility, has applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal of Railroad Commission of Texas Permit No. 01133 and EPA NPDES Permit No. TX0134077 and combining these two permits into the first time issuance of Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005371000 , which authorizes the discharge of water treatment wastes **at a daily average flow not to exceed 17,300 gallons per day** via Outfall 001. The TCEQ received this application on March 20, 2024.

This combined notice is being issued because the original NORI stated that the flow was on a continuous and variable basis when there is a daily average flow limit of 17,300 gallons per day.

The facility is located at 3721 US-77 ALT, near the City of Yoakum, Lavaca County, Texas 77995. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application. ***https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.1093,29.342815&level=18***

The effluent is discharged via pipe to unnamed tributary, thence to Clarks Creek, thence to Lavaca River Above Tidal in Segment 1602 of the Lavaca River Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary and limited aquatic life use for Clarks Creek. The designated uses for Segment No. 1602 are primary contact recreation, public water supply, and high aquatic life use.

In accordance with 30 Texas Administrative Code §307.5 and TCEQ's *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. This review has preliminarily determined that no water bodies with exceptional, high, or intermediate aquatic life uses are present within the stream reach assessed; therefore, no Tier 2 degradation determination is required. No significant degradation of water quality is expected in water bodies with

exceptional, high, or intermediate aquatic life uses downstream, and existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Lavaca County Courthouse Annex, 412 North Texana Street, Halletsville, Texas.

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.

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

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

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

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

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

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

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

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

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

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

Further information may also be obtained from Enterprise Products Operating LLC at the address stated above or by calling Mr. Kyle Brewer, Scientist, Senior Environmental, at 713-381-3592.

Issued: September 19, 2025

Comisión De Calidad Ambiental Del Estado De Texas

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

RENOVACIÓN

PERMISO NO. WQ 0005371000

SOLICITUD Y DECISIÓN PRELIMINAR. Enterprise Products Operating LLC, P.O. Box 4324, Houston, Texas 77210 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) una renovación para autorizar Yoakum Cryogenic Plant. Esta solicitud es una renovación del permiso número 01133 de la Comisión de Ferrocarriles de Texas y permiso número TX0134077 de la EPA, y Combinando estos dos permisos en la primera emisión del Sistema de Eliminación de Descargas Contaminantes de Texas permiso número WQ0005371000 que autoriza la descarga de desechos de tratamiento de agua con un caudal promedio diario que no exceda los 17,300 galones por día a través del emisario 001. La TCEQ recibió esta solicitud el 20 de marzo de 2024.

La planta está ubicada en 3721 US-77 ALT, cerca de la ciudad de Yoakum, en el Condado de Lavaca, Texas. El efluente tratado es descargado al afluente sin nombre, de allí a Clarks Creek, de allí al río Lavaca por encima de la marea en el segmento 1602 de la cuenca del río Lavaca. Los usos no clasificados de las aguas receptoras son limitados usos de la vida acuática para afluente sin nombre y Clarks Creek. Los usos designados para el Segmento No. 1602 son elevados de vida acuática; abastecimiento de agua potable, y recreación con contacto.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. El borrador del permiso, si es aprobado, establecería las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en Lavaca County Courthouse Annex, 412 North Texana Street, Halletsville, Texas. 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://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications

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.

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 PARA UNA AUDIENCIA DE CASO IMPUGNADO. Después de la fecha límite para los comentarios públicos, el director ejecutivo considerará los comentarios y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. **La respuesta a los comentarios, junto con la decisión del director ejecutivo sobre la solicitud, se enviará por correo a todos los que enviaron comentarios públicos o que solicitaron estar en una lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o reconsiderar la decisión del director ejecutivo.** Una audiencia de caso disputado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

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.

La Comisión otorgará solamente una audiencia administrativa de lo contencioso sobre los hechos reales disputados del caso que son pertinentes y esenciales para la decisión de la Comisión sobre la solicitud. Además, la Comisión sólo otorgará una audiencia administrativa de lo contencioso sobre los asuntos que fueron presentados antes del plazo de vencimiento y que no fueron retirados posteriormente. **Si ciertos criterios se cumplen, la TCEQ puede actuar sobre una solicitud para renovar un permiso para descargar aguas residuales sin proveer una oportunidad de una audiencia administrativa de lo contencioso.**

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

LISTA DE CORREO. Si envía comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo para que esta solicitud reciba avisos públicos futuros enviadas por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Para ser colocado en la lista de correo permanente y / o del condado, especifique claramente qué lista(s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.
Todos los comentarios públicos escritos y las solicitudes de reunión pública deben enviarse a la Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente a https://www14.tceq.texas.gov/epic/eComment/ dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.
INFORMACIÓN DISPONIBLE EN LÍNEA. Para obtener detalles sobre el estado de la solicitud, visite la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Busque en la base de datos utilizando el número de permiso para esta solicitud, que se proporciona en la parte superior de este aviso.
CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a https://www14.tceq.texas.gov/epic/eComment/, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a al TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de la TCEQ, sin cargo, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/goto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Enterprise Products Operating LLC a la dirección indicada arriba o llamando a Mr. Kyle Brewer, Scientist, Senior Environmental al 713-381-3592.

Fecha de emisión el 19 de Septiembre de 2025.

TPDES PERMIT NO.
WQ0005371000
[For TCEQ office use only -
EPA I.D. No. TX0134077]

This renewal replaces NPDES Permit No. TX0134077, issued on July 2, 2019 and RRC Permit No. 01133 issued on February 7, 2019.

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

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

Enterprise Products Operating LLC

whose mailing address is

P.O. Box 4324
Houston, Texas 77210

is authorized to treat and discharge wastes from Yoakum Cryogenic Plant, a natural gas processing facility (SIC 1321)

located at 3721 US-77 ALT, near the City of Yoakum, Lavaca County, Texas 77995

via pipe to an unnamed tributary, thence to Clarks Creek, thence to Lavaca River Above Tidal in Segment 1602 of the Lavaca River Basin

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

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

ISSUED DATE:

_____
For the Commission

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS — Outfall Number 001

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

   The daily average flow of effluent shall not exceed 0.0173 million gallons per day (MGD). The daily maximum flow shall not exceed 0.02 MGD.

Effluent Characteristics	Discharge Limitations			Minimum Self-Monitoring Requirements	
	Daily Average mg/L	Daily Maximum mg/L	Single Grab mg/L	Report Daily Average and Daily Maximum Measurement Frequency	Sample Type
Flow	0.0173 MGD	0.02 MGD	N/A	Continuous [2]	Record
Total Dissolved Solids [3]	Report	Report	N/A	1/month [2]	Grab
Total Dissolved Solids [4]	2279	4823	4823	1/month [2]	Grab
Oil and Grease	10	15	15	1/month [2]	Grab

2. The pH must not be less than 6.5 standard units nor greater than 9.0 standard units and must be monitored 1/month [2] by grab sample.

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

4. Effluent monitoring samples must be taken at the following location: At Outfall 001, after exiting the storage tank prior to discharge into the unnamed tributary.

[1] See Other Requirement No. 4.
[2] When discharging
[3] Beginning on the date of permit issuance and lasting three years from the date of permit issuance.
[4] Beginning three years from the date of permit issuance and lasting through the date of permit expiration.

DEFINITIONS AND STANDARD PERMIT CONDITIONS

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

1. Flow Measurements

    a. Annual average flow - the arithmetic average of all daily flow determinations taken within the preceding 12 consecutive calendar months. The annual average flow determination shall consist of daily flow volume determinations made by a totalizing meter, charted on a chart recorder, and limited to major domestic wastewater discharge facilities with a one million gallons per day or greater permitted flow.

    b. Daily average flow - the arithmetic average of all determinations of the daily flow within a period of one calendar month. The daily average flow determination shall consist of determinations made on at least four separate days. If instantaneous measurements are used to determine the daily flow, the determination shall be the arithmetic average of all instantaneous measurements taken during that month. Daily average flow determination for intermittent discharges shall consist of a minimum of three flow determinations on days of discharge.

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

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

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

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

2. Concentration Measurements

    a. Daily average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar month, consisting of at least four separate representative measurements.

        i. For domestic wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values in the previous four consecutive month period consisting of at least four measurements shall be utilized as the daily average concentration.

        ii. For all other wastewater treatment plants - When four samples are not available in a calendar month, the arithmetic average (weighted by flow) of all values taken during the month shall be utilized as the daily average concentration.

    b. 7-day average concentration - the arithmetic average of all effluent samples, composite or grab as required by this permit, within a period of one calendar week, Sunday through Saturday.

    c. Daily maximum concentration - the maximum concentration measured on a single day, by the sample type specified in the permit, within a period of one calendar month.

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

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

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

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

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

g. Daily maximum loading (lbs/day) - the highest daily discharge, in terms of mass (lbs/day), within a period of one calendar month.

3. Sample Type

a. Composite sample - For domestic wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(a). For industrial wastewater, a composite sample is a sample made up of a minimum of three effluent portions collected in a continuous 24-hour period or during the period of daily discharge if less than 24 hours, and combined in volumes proportional to flow, and collected at the intervals required by 30 TAC §319.9(c).

b. Grab sample - an individual sample collected in less than 15 minutes.

4. Treatment Facility (facility) - wastewater facilities used in the conveyance, storage, treatment, recycling, reclamation or disposal of domestic sewage, industrial wastes, agricultural wastes, recreational wastes, or other wastes including sludge handling or disposal facilities under the jurisdiction of the Commission.

5. The term "sewage sludge" is defined as solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in 30 TAC Chapter 312. This includes the solids that have not been classified as hazardous waste separated from wastewater by unit processes.

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

MONITORING AND REPORTING REQUIREMENTS

1. Self-Reporting

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

As provided by state law, the permittee is subject to administrative, civil and criminal penalties, as applicable, for negligently or knowingly violating the Clean Water Act; TWC Chapters 26, 27, and 28; and THSC Chapter 361, including but not limited to knowingly making any false statement, representation, or certification on any report, record, or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance, or falsifying, tampering with or knowingly rendering inaccurate any monitoring device or method required by this permit or violating any other requirement imposed by state or federal regulations.

2. Test Procedures

   a. Unless otherwise specified in this permit, test procedures for the analysis of pollutants shall comply with procedures specified in 30 TAC §§319.11 - 319.12. Measurements, tests, and calculations shall be accurately accomplished in a representative manner.

   b. All laboratory tests submitted to demonstrate compliance with this permit must meet the requirements of 30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.

3. Records of Results

   a. Monitoring samples and measurements shall be taken at times and in a manner so as to be representative of the monitored activity.

   b. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years (or longer as required by 40 CFR Part 503), monitoring and reporting records, including strip charts and records of calibration and maintenance, copies of all records required by this permit, records of all data used to complete the application for this permit, and the certification required by 40 CFR §264.73(b)(9) shall be retained at the facility site, or shall be readily available for review by a TCEQ representative for a period of three years from the date of the record or sample, measurement, report, application or certification. This period shall be extended at the request of the Executive Director.

   c. Records of monitoring activities shall include the following:

      i. date, time, and place of sample or measurement;
      ii. identity of individual who collected the sample or made the measurement;
      iii. date and time of analysis;
      iv. identity of the individual and laboratory who performed the analysis;
      v. the technique or method of analysis; and
      vi. the results of the analysis or measurement and quality assurance/quality control records.

      The period during which records are required to be kept shall be automatically extended to the date of the final disposition of any administrative or judicial enforcement action that may be instituted against the permittee.

4. Additional Monitoring by Permittee

   If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit using approved analytical methods as specified above, all results of such monitoring shall be included in the calculation and reporting of the values submitted on the approved self-report form. Increased frequency of sampling shall be indicated on the self-report form.

5. Calibration of Instruments

   All automatic flow measuring or recording devices and all totalizing meters for measuring flows shall be accurately calibrated by a trained person at plant start-up and as often thereafter as necessary to ensure accuracy, but not less often than annually unless authorized by the Executive Director for a longer period. Such person shall verify in writing that the device is operating properly and giving accurate results. Copies of the verification shall be retained at the facility site or shall be readily available for review by a TCEQ representative for a period of three years.

6. Compliance Schedule Reports

   Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date to the regional office and the Enforcement Division (MC 224).

7. Noncompliance Notification

   a. In accordance with 30 TAC §305.125(9) any noncompliance that may endanger human health or safety, or the environment shall be reported by the permittee to the TCEQ. Report of such information shall be provided orally or by facsimile transmission (FAX) to the regional office within 24 hours of becoming aware of the noncompliance. A written submission of such information shall also be provided by the permittee to the regional office and the Enforcement Division (MC 224) within five working days of becoming aware of the noncompliance. For Publicly Owned Treatment Works (POTWs), effective September 1, 2020, the permittee must submit the written report for unauthorized discharges and unanticipated bypasses that exceed any effluent limit in the permit using the online electronic reporting system available through the TCEQ website unless the permittee requests and obtains an electronic reporting waiver. The written submission shall contain a description of the noncompliance and its cause; the potential danger to human health or safety, or the environment; the period of noncompliance, including exact dates and times; if the noncompliance has not been corrected, the time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance, and to mitigate its adverse effects.

   b. The following violations shall be reported under Monitoring and Reporting Requirement 7.a.:

      i. unauthorized discharges as defined in Permit Condition 2(g).
      ii. any unanticipated bypass that exceeds any effluent limitation in the permit.
      iii. violation of a permitted maximum daily discharge limitation for pollutants listed specifically in the Other Requirements section of an Industrial TPDES permit.

   c. In addition to the above, any effluent violation that deviates from the permitted effluent limitation by more than 40% shall be reported by the permittee in writing to the regional office and the Enforcement Division (MC 224) within 5 working days of becoming aware of the noncompliance.

   d. Any noncompliance other than that specified in this section, or any required information not submitted or submitted incorrectly, shall be reported to the Enforcement Division (MC 224) as promptly as possible. For effluent limitation violations, noncompliances shall be reported on the approved self-report form.

8. In accordance with the procedures described in 30 TAC §§35.301 - 35.303 (relating to Water Quality Emergency and Temporary Orders) if the permittee knows in advance of the need for a bypass, it shall submit prior notice by applying for such authorization.

9. Changes in Discharges of Toxic Substances

   All existing manufacturing, commercial, mining, and silvicultural permittees shall notify the regional office, orally or by facsimile transmission within 24 hours, and both the regional office and the Enforcement Division (MC 224) in writing within five (5) working days, after becoming aware of or having reason to believe:

   a. That any activity has occurred or will occur that would result in the discharge, on a routine or frequent basis, of any toxic pollutant listed at 40 CFR Part 122, Appendix D, Tables II and III (excluding Total Phenols) that is not limited in the permit, if that discharge will exceed the highest of the following “notification levels”:

      i. one hundred micrograms per liter (100 µg/L);
      ii. two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
      iii. five (5) times the maximum concentration value reported for that pollutant in the permit application; or
      iv. the level established by the TCEQ.

b. That any activity has occurred or will occur that would result in any discharge, on a nonroutine or infrequent basis, of a toxic pollutant that is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

i. five hundred micrograms per liter (500 μg/L);
ii. one milligram per liter (1 mg/L) for antimony;
iii. ten (10) times the maximum concentration value reported for that pollutant in the permit application; or
iv. the level established by the TCEQ.

10. Signatories to Reports

All reports and other information requested by the Executive Director shall be signed by the person and in the manner required by 30 TAC §305.128 (relating to Signatories to Reports).

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

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

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

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

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

PERMIT CONDITIONS

1. General

a. When the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in an application or in any report to the Executive Director, it shall promptly submit such facts or information.

b. This permit is granted on the basis of the information supplied and representations made by the permittee during action on an application, and relying upon the accuracy and completeness of that information and those representations. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked, in whole or in part, in accordance with 30 TAC Chapter 305, Subchapter D, during its term for good cause including, but not limited to, the following:

i. violation of any terms or conditions of this permit;
ii. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
iii. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

c. The permittee shall furnish to the Executive Director, upon request and within a reasonable time, any information to determine whether cause exists for amending, revoking, suspending, or terminating the permit. The permittee shall also furnish to the Executive Director, upon request, copies of records required to be kept by the permit.

2. Compliance

a. Acceptance of the permit by the person to whom it is issued constitutes acknowledgment and agreement that such person will comply with all the terms and conditions embodied in the permit, and the rules and other orders of the Commission.

b. The permittee has a duty to comply with all conditions of the permit. Failure to comply with any permit condition constitutes a violation of the permit and the Texas Water Code or the Texas Health and Safety Code, and is grounds for enforcement action, for permit amendment,

revocation, or suspension, or for denial of a permit renewal application or an application for a permit for another facility.

c. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

d. The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal or other permit violation that has a reasonable likelihood of adversely affecting human health or the environment.

e. Authorization from the Commission is required before beginning any change in the permitted facility or activity that may result in noncompliance with any permit requirements.

f. A permit may be amended, suspended and reissued, or revoked for cause in accordance with 30 TAC §§305.62 and 305.66 and TWC §7.302. The filing of a request by the permittee for a permit amendment, suspension and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

g. There shall be no unauthorized discharge of wastewater or any other waste. For the purpose of this permit, an unauthorized discharge is considered to be any discharge of wastewater into or adjacent to water in the state at any location not permitted as an outfall or otherwise defined in the Other Requirements section of this permit.

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

i. The permittee is subject to administrative, civil, and criminal penalties, as applicable, under Texas Water Code §§7.051 - 7.075 (relating to Administrative Penalties), 7.101 - 7.111 (relating to Civil Penalties), and 7.141 - 7.202 (relating to Criminal Offenses and Penalties) for violations including, but not limited to, negligently or knowingly violating the federal CWA §§301, 302, 306, 307, 308, 318, or 405, or any condition or limitation implementing any sections in a permit issued under the CWA §402, or any requirement imposed in a pretreatment program approved under the CWA §§402(a)(3) or 402(b)(8).

3. Inspections and Entry

a. Inspection and entry shall be allowed as prescribed in the TWC Chapters 26, 27, and 28, and THSC Chapter 361.

b. The members of the Commission and employees and agents of the Commission are entitled to enter any public or private property at any reasonable time for the purpose of inspecting and investigating conditions relating to the quality of water in the state or the compliance with any rule, regulation, permit, or other order of the Commission. Members, employees, or agents of the Commission and Commission contractors are entitled to enter public or private property at any reasonable time to investigate or monitor or, if the responsible party is not responsive or there is an immediate danger to public health or the environment, to remove or remediate a condition related to the quality of water in the state. Members, employees, Commission contractors, or agents acting under this authority who enter private property shall observe the establishment's rules and regulations concerning safety, internal security, and fire protection, and if the property has management in residence, shall notify management or the person then in charge of his presence and shall exhibit proper credentials. If any member, employee, Commission contractor, or agent is refused the right to enter in or on public or private property under this authority, the Executive Director may invoke the remedies authorized in TWC §7.002. The statement above, that Commission entry shall occur in accordance with an establishment's rules and regulations concerning safety, internal security, and fire protection, is not grounds for denial or restriction of entry to any part of the facility, but merely describes the Commission's duty to observe appropriate rules and regulations during an inspection.

4. Permit Amendment or Renewal

   a. The permittee shall give notice to the Executive Director as soon as possible of any planned physical alterations or additions to the permitted facility if such alterations or additions would require a permit amendment or result in a violation of permit requirements. Notice shall also be required under this paragraph when:

      i. the alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in accordance with 30 TAC §305.534 (relating to New Sources and New Dischargers); or

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

      iii. the alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

   b. Prior to any facility modifications, additions, or expansions that will increase the plant capacity beyond the permitted flow, the permittee must apply for and obtain proper authorization from the Commission before commencing construction.

   c. The permittee must apply for an amendment or renewal at least 180 days prior to expiration of the existing permit in order to continue a permitted activity after the expiration date of the permit. If an application is submitted prior to the expiration date of the permit, the existing permit shall remain in effect until the application is approved, denied, or returned. If the application is returned or denied, authorization to continue such activity shall terminate upon the effective date of the action. If an application is not submitted prior to the expiration date of the permit, the permit shall expire and authorization to continue such activity shall terminate.

   d. Prior to accepting or generating wastes that are not described in the permit application or that would result in a significant change in the quantity or quality of the existing discharge, the permittee must report the proposed changes to the Commission. The permittee must apply for a permit amendment reflecting any necessary changes in permit conditions, including effluent limitations for pollutants not identified and limited by this permit.

   e. In accordance with the TWC §26.029(b), after a public hearing, notice of which shall be given to the permittee, the Commission may require the permittee, from time to time, for good cause, in accordance with applicable laws, to conform to new or additional conditions.

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

5. Permit Transfer

   a. Prior to any transfer of this permit, Commission approval must be obtained. The Commission shall be notified in writing of any change in control or ownership of facilities authorized by this permit. Such notification should be sent to the Applications Review and Processing Team (MC 148) of the Water Quality Division.

   b. A permit may be transferred only according to the provisions of 30 TAC §305.64 (relating to Transfer of Permits) and 30 TAC §50.133 (relating to Executive Director Action on Application or WQMP update).

6. Relationship to Hazardous Waste Activities

   This permit does not authorize any activity of hazardous waste storage, processing, or disposal that requires a permit or other authorization pursuant to the Texas Health and Safety Code.

7. Relationship to Water Rights

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

8. Property Rights

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

9. Permit Enforceability

   The conditions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstances, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

10. Relationship to Permit Application

    The application pursuant to which the permit has been issued is incorporated herein; provided, however, that in the event of a conflict between the provisions of this permit and the application, the provisions of the permit shall control.

11. Notice of Bankruptcy.

    a. Each permittee shall notify the Executive Director, in writing, immediately following the filing of a voluntary or involuntary petition for bankruptcy under any chapter of Title 11 (Bankruptcy) of the United States Code (11 USC) by or against:

       i. the permittee;
       ii. an entity (as that term is defined in 11 USC, §101(15)) controlling the permittee or listing the permit or permittee as property of the estate; or
       iii. an affiliate (as that term is defined in 11 USC, §101(2)) of the permittee.

    b. This notification must indicate:

       i. the name of the permittee;
       ii. the permit number(s);
       iii. the bankruptcy court in which the petition for bankruptcy was filed; and
       iv. the date of filing of the petition.

OPERATIONAL REQUIREMENTS

1. The permittee shall at all times ensure that the facility and all of its systems of collection, treatment, and disposal are properly operated and maintained. This includes, but is not limited to, the regular, periodic examination of wastewater solids within the treatment plant by the operator in order to maintain an appropriate quantity and quality of solids inventory as described in the various operator training manuals and according to accepted industry standards for process control. Process control, maintenance, and operations records shall be retained at the facility site, or shall be readily available for review by a TCEQ representative, for a period of three years.

2. Upon request by the Executive Director, the permittee shall take appropriate samples and provide proper analysis in order to demonstrate compliance with Commission rules. Unless otherwise specified in this permit or otherwise ordered by the Commission, the permittee shall comply with all applicable provisions of 30 TAC Chapter 312 concerning sewage sludge use and disposal and 30 TAC §§319.21 - 319.29 concerning the discharge of certain hazardous metals.

3. Domestic wastewater treatment facilities shall comply with the following provisions:

   a. The permittee shall notify the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, in writing, of any facility expansion at least 90 days prior to conducting such activity.

   b. The permittee shall submit a closure plan for review and approval to the Municipal Permits Team, Wastewater Permitting Section (MC 148) of the Water Quality Division, for any closure activity at least 90 days prior to conducting such activity. Closure is the act of permanently taking a waste management unit or treatment facility out of service and includes the permanent removal from service of any pit, tank, pond, lagoon, surface impoundment or other treatment unit regulated by this permit.

4. The permittee is responsible for installing prior to plant start-up, and subsequently maintaining, adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures by means of alternate power sources, standby generators, or retention of inadequately treated wastewater.

5. Unless otherwise specified, the permittee shall provide a readily accessible sampling point and, where applicable, an effluent flow measuring device or other acceptable means by which effluent flow may be determined.

6. The permittee shall remit an annual water quality fee to the Commission as required by 30 TAC Chapter 21. Failure to pay the fee may result in revocation of this permit under TWC §7.302(b)(6).

7. Documentation

   For all written notifications to the Commission required of the permittee by this permit, the permittee shall keep and make available a copy of each such notification under the same conditions as self-monitoring data are required to be kept and made available. Except for information required for TPDES permit applications, effluent data, including effluent data in permits, draft permits and permit applications, and other information specified as not confidential in 30 TAC §1.5(d), any information submitted pursuant to this permit may be claimed as confidential by the submitter. Any such claim must be asserted in the manner prescribed in the application form or by stamping the words “confidential business information” on each page containing such information. If no claim is made at the time of submission, information may be made available to the public without further notice. If the Commission or Executive Director agrees with the designation of confidentiality, the TCEQ will not provide the information for public inspection unless required by the Texas Attorney General or a court pursuant to an open records request. If the Executive Director does not agree with the designation of confidentiality, the person submitting the information will be notified.

8. Facilities that generate domestic wastewater shall comply with the following provisions; domestic wastewater treatment facilities at permitted industrial sites are excluded.

   a. Whenever flow measurements for any domestic sewage treatment facility reach 75% of the permitted daily average or annual average flow for three consecutive months, the permittee must initiate engineering and financial planning for expansion or upgrading of the domestic wastewater treatment or collection facilities. Whenever the flow reaches 90% of the permitted daily average or annual average flow for three consecutive months, the permittee shall obtain necessary authorization from the Commission to commence construction of the necessary additional treatment or collection facilities. In the case of a domestic wastewater treatment facility that reaches 75% of the permitted daily average or annual average flow for three consecutive months, and the planned population to be served or the quantity of waste produced is not expected to exceed the design limitations of the treatment facility, the permittee shall submit an engineering report supporting this claim to the Executive Director of the Commission.

      If in the judgment of the Executive Director the population to be served will not cause permit noncompliance, then the requirement of this section may be waived. To be effective, any waiver must be in writing and signed by the Director of the Enforcement Division (MC 219) of the Commission, and such waiver of these requirements will be reviewed upon expiration of the existing permit; however, any such waiver shall not be interpreted as condoning or excusing any violation of any permit parameter.

b. The plans and specifications for domestic sewage collection and treatment works associated with any domestic permit must be approved by the Commission, and failure to secure approval before commencing construction of such works or making a discharge is a violation of this permit and each day is an additional violation until approval has been secured.

c. Permits for domestic wastewater treatment plants are granted subject to the policy of the Commission to encourage the development of area-wide waste collection, treatment, and disposal systems. The Commission reserves the right to amend any domestic wastewater permit in accordance with applicable procedural requirements to require the system covered by this permit to be integrated into an area-wide system, should such be developed; to require the delivery of the wastes authorized to be collected in, treated by or discharged from said system, to such area-wide system; or to amend this permit in any other particular to effectuate the Commission's policy. Such amendments may be made when the changes required are advisable for water quality control purposes and are feasible on the basis of waste treatment technology, engineering, financial, and related considerations existing at the time the changes are required, exclusive of the loss of investment in or revenues from any then existing or proposed waste collection, treatment or disposal system.

9. Domestic wastewater treatment plants shall be operated and maintained by sewage plant operators holding a valid certificate of competency at the required level as defined in 30 TAC Chapter 30.

10. For Publicly Owned Treatment Works (POTWs), the 30-day average (or monthly average) percent removal for BOD and TSS shall not be less than 85%, unless otherwise authorized by this permit.

11. Facilities that generate industrial solid waste as defined in 30 TAC §335.1 shall comply with these provisions:

a. Any solid waste, as defined in 30 TAC §335.1 (including but not limited to such wastes as garbage, refuse, sludge from a waste treatment, water supply treatment plant or air pollution control facility, discarded materials, discarded materials to be recycled, whether the waste is solid, liquid, or semisolid), generated by the permittee during the management and treatment of wastewater, must be managed in accordance with all applicable provisions of 30 TAC Chapter 335, relating to Industrial Solid Waste Management.

b. Industrial wastewater that is being collected, accumulated, stored, or processed before discharge through any final discharge outfall, specified by this permit, is considered to be industrial solid waste until the wastewater passes through the actual point source discharge and must be managed in accordance with all applicable provisions of 30 TAC Chapter 335.

c. The permittee shall provide written notification, pursuant to the requirements of 30 TAC §335.8(b)(1), to the Corrective Action Section (MC 127) of the Remediation Division informing the Commission of any closure activity involving an Industrial Solid Waste Management Unit, at least 90 days prior to conducting such an activity.

d. Construction of any industrial solid waste management unit requires the prior written notification of the proposed activity to the Registration and Reporting Section (MC 129) of the Permitting and Remediation Support Division. No person shall dispose of industrial solid waste, including sludge or other solids from wastewater treatment processes, prior to fulfilling the deed recordation requirements of 30 TAC §335.5.

e. The term “industrial solid waste management unit” means a landfill, surface impoundment, waste-pile, industrial furnace, incinerator, cement kiln, injection well, container, drum, salt dome waste containment cavern, or any other structure vessel, appurtenance, or other improvement on land used to manage industrial solid waste.

f. The permittee shall keep management records for all sludge (or other waste) removed from any wastewater treatment process. These records shall fulfill all applicable requirements of 30 TAC Chapter 335 and must include the following, as it pertains to wastewater treatment and discharge:

i. volume of waste and date(s) generated from treatment process;
ii. volume of waste disposed of on-site or shipped off-site;
iii. date(s) of disposal;

iv. identity of hauler or transporter;
v. location of disposal site; and
vi. method of final disposal.

The above records shall be maintained on a monthly basis. The records shall be retained at the facility site, or shall be readily available for review by authorized representatives of the TCEQ for at least five years.

12. For industrial facilities to which the requirements of 30 TAC Chapter 335 do not apply, sludge and solid wastes, including tank cleaning and contaminated solids for disposal, shall be disposed of in accordance with THSC Code Chapter 361.

TCEQ Revision 05/2021

OTHER REQUIREMENTS

1. Violations of daily maximum limitations for the following pollutants shall be reported orally or by facsimile to TCEQ Region 14 within 24 hours from the time the permittee becomes aware of the violation, followed by a written report within five working days to TCEQ Region 14 and Compliance Monitoring Team (MC 224): None.

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

3. There is no mixing zone established for this discharge to an intermittent stream with perennial pools. Chronic toxic criteria apply at the point of discharge.

4. The term water treatment wastes includes, but is not limited to, cold lime water treatment wastes, demineralizer backwash, filter backwash, ion exchange water treatment system wastes, membrane regeneration wastes, and reverse osmosis reject water.

5. SCHEDULE OF COMPLIANCE FOR WATER QUALITY BASED EFFLUENT LIMITS

   The permittee shall comply with the following schedule of activities for the attainment of water quality-based final effluent limitations for Total Dissolved Solids at Outfall 001:

   a. Determine exceedance cause(s);
   b. Develop control options;
   c. Evaluate and select control mechanisms;
   d. Implement corrective action; and
   e. Attain final effluent limitations no later than three years from the date of permit issuance.

   The permittee shall submit quarterly progress reports in accordance with the following schedule. The requirement to submit quarterly progress reports expires three years from the date of permit issuance.

   PROGRESS REPORT DATE
   January 1
   April 1
   July 1
   October 1

   The quarterly progress reports must include a discussion of the interim requirements that have been completed at the time of the report and must address the progress towards attaining the water quality-based final effluent limitations for Total Dissolved Solids at Outfall 001 no later than three years from the date of permit issuance.

   Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date. Any reports of noncompliance shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

   All reports must be submitted to the TCEQ Region 14 Office and to the Compliance Monitoring Team (MC-224).

CMP THRESHOLD REVIEW SHEET

INDUSTRIAL WASTEWATER DISCHARGE PERMITS

	Enterprise Products Operating LLC
TPDES PERMIT NUMBER:	WQ0005371000
CLASSIFIED SEGMENT:	
NAME:	Lavaca River Above Tidal
NUMBER:	1602
COUNTY:	Lavaca

Is the facility located within the Coastal Zone?
Yes ☐ No ☒

If "Yes," complete Section A and, if directed to do so, Section B. If "No," this worksheet is not required.

SECTION A

Yes	No		
☐	☐	1.	This is a new permit application which would authorize the discharge of a wastewater subject to EPA Categorical Effluent Standards (40 CFR Parts 400-471) into a priority segment (see Appendix B).
☐	☐	2.	This is an amendment permit application which would authorize an increase in the mass loading of pollutants from the discharge of a wastewater subject to EPA Categorical Effluent Standards (40 CFR Parts 400-471) into a priority segment (see Appendix B).
☐	☐	3.	This is an amendment permit application which would change the point of discharge of a wastewater subject to EPA Categorical Effluent Standards (40 CFR Parts 400-471) into a priority segment (see Appendix B).

IF "YES" TO ANY OF THE ABOVE THEN THE PERMIT ACTION IS CONSIDERED ABOVE THRESHOLD, COMPLETE SECTION B.

IF "NO" TO ALL OF THE ABOVE, THEN THE PERMIT ACTION IS CONSIDERED BELOW THRESHOLD, STOP HERE.

SECTION B

☐	1.	The IOM from standards states that "no significant degradation of high quality receiving waters is anticipated" (if receiving water has a designated high quality aquatic life use).
☐	2.	The IOM from standards states that "no loss of designated uses is anticipated."
☐	3.	The draft permit complies with all applicable provisions of 30 TAC 307, 309, and 319.

Nikita Hardy
PERMIT WRITER

July 2, 2025
DATE

TIDAL SEGMENTS DESIGNATED AS TCEQ PRIORITY WATERBODIES
COASTAL MANAGEMENT PROGRAM

Segment Number	Name
2412	Sabine Lake
2411	Sabine Pass
2423	East Bay
2439	Lower Galveston Bay
0801	Trinity River Tidal
1113	Armand Bayou Tidal
2431	Moses Lake
2424	West Bay
2432	Chocolate Bay
2433	Bastrop Bay/Oyster Lake
2434	Christmas Bay
2435	Drum Bay
2442	Cedar Lakes
2441	East Matagorda Bay
2451	Matagorda Bay/Powderhorn Lake
2452	Tres Palacios Bay/Turtle Bay
2456	Carancahua Bay
2455	Keller Bay
2461	Espiritu Santo Bay
2462	San Antonio Bay/Hynes Bay/Guadalupe Bay
1801	Guadalupe River Tidal
2463	Mesquite Bay/Carlos Bay/Ayres Bay
2473	St. Charles Bay
2471	Aransas Bay
2472	Copano Bay/Port Bay/Mission Bay
2483	Redfish Bay
2482	Nueces Bay
2492	Baffin Bay/Alazan Bay/Cayo Del Grullo/Laguna Salada
2491	Laguna Madre
2493	South Bay

INDUSTRIAL EPA REVIEW CHECKLIST

Permittee Name: Enterprise Products Operating LLC

Permittee Number: WQ0005371000

IS THIS A MINOR AMENDMENT WITHOUT RENEWAL?

☐ **EPA review is waived per the MOA**, because this is a minor amendment without renewal. SKIP TO THE END.

For all other application types, check all that apply:

Yes	No	
☐	☒	discharge to territorial seas (within 3 miles of the coastline) of the United States?
☐	☒	discharge or sewage sludge management may affect another state or the Republic of Mexico? For sewage sludge management, "may affect" means accepts sewage sludge from another state or Mexico. For discharge, it means a discharge within 3 miles of a boundary with another state or Mexico.
☐	☒	discharge of uncontaminated cooling tower blowdown with a permitted daily average flow >500 MGD?
☐	☒	discharge from a designated major facility?
☐	☒	discharge from a categorical industry as listed in 40 CFR Part 122, Appendix A? (see Attachment A)
☐	☒	discharge from source other than a categorical industry as listed in 40 CFR Part 122, Appendix A with a permitted daily average flow >0.5 MGD, except for facilities that discharge non-process wastewater? Non-process wastewater is water that (during manufacturing or processing) does not come into direct contact with, or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product.
☐	☒	minor facility discharge to critical concern species watersheds (see WQ Standards review)
☐	☒	(Prior to a final TMDL) discharge from a new or expanding facility to a 303(d) listed segment which has the potential to discharge any pollutant which is causing or contributing to the impairment of the segment?
☐	☒	(After a final TMDL) discharge from a new or expanding discharge to a 303(d) listed segment where the TMDL does not allocate the loadings described in the draft permit?
☐	☒	(After a final TMDL) a permit with effluent limits which allow loadings in excess of those prescribed by the TMDL for the segment?
☐	☒	(After a final TMDL) permit allows a three-year compliance schedule for limits based on the TMDL allocations?
☐	☒	Is the main purpose of the facility to desalinate either seawater or salty ground water?
☒	☐	**Other:** This is the first permit issuance of an oil and gas NPDES permit transferred from EPA by TCEQ, so it's being sent to EPA per MOA conditions.

Per the screening above, choose one:

☒ **Yes, EPA review is required.** ☐ No, EPA review is <u>not</u> required.

Nikita Hardy
Permit Writer's Name

July 2, 2025
Date

ATTACHMENT A

PRIMARY INDUSTRIAL CATEGORIES

Adhesives and sealants	N/A
Aluminum forming	**Part 467**
Auto and other laundries	N/A
Battery and manufacturing	**Part 461**
Coal mining	**Part 434**
Coil coating	**Part 465**
Copper forming	**Part 468**
Electrical and electronic components	**Part 469**
Electroplating	**Part 413**
Explosives manufacturing	**Part 457**
Foundries	N/A
Gum and wood chemicals	**Part 454**
Inorganic chemicals manufacturing	**Part 415**
Iron and steel manufacturing	**Part 420**
Leather tanning and finishing	**Part 425**
Mechanical products manufacturing	N/A
Nonferrous metals manufacturing	**Part 421**
Ore mining	**Part 440**
Organic chemicals manufacturing	**Part 414**
Paint and ink formulation	**Part 446**
Pesticides	**Part 455**
Petroleum refining	**Part 419**
Pharmaceutical preparation	**Part 439**
Photographic equipment and supplies	**Part 459**
Plastics processing	**Part 463**
Plastic and synthetic material manufacturing	**Part 414**
Porcelain enameling	**Part 466**
Printing and publishing	N/A
Pulp and paper mills	**Part 430**
Rubber processing	**Part 428**
Soap and detergent manufacturing	**Part 417**
Steam electric power plants	**Part 423**
Textile mills	**Part 410**
Timber products processing	**Part 429**

USFWS COORDINATION DETERMINATION

Permittee Name: Enterprise Products Operating LLC
Permit Number: WQ0005371000
Counties: Lavaca

1. Use this worksheet to determine if coordination with USFWS is required on this application.
   A. Does this facility use water for cooling purposes (i.e., subject to Section 316(b) of the CWA)?

      ☐ Yes ☒ No

   B. Does the Standards Implementation Memo identify a priority watershed of critical concern and indicate EPA review is required and, if appropriate, consultation with USFWS?

      ☐ Yes ☒ No

   If **Yes** to either question A **or** question B, the NAPD must be mailed to USFWS.

2. Use the USFWS Routing Spreadsheet located at (enter file location) to determine the appropriate USFWS office.

   ☐ Arlington ☐ Austin ☐ Corpus Christi ☐ Houston

3. Send the following email to georgia.carroll-warren@tceq.texas.gov with OCC requesting addition of USFWS to the mailing list for this application:

   Subject Line: Permit No.: WQ0005371000 ; Request to add USFWS to the mailing list

   Please add the following U.S. Fish and Wildlife Service offices to the mailing list for Permit No. WQ0005371000 .

   Select the correct USFWS office and delete the other two offices and these instructions:

   U.S. Fish & Wildlife Service
   Arlington Ecological Services Field Office
   2005 Northeast Green Oaks, Suite 140
   Arlington, Texas 76006

   U.S. Fish & Wildlife Service
   Austin Ecological Services Field Office
   10711 Burnet Road, Suite 200
   Austin, Texas 78758

   U.S. Fish & Wildlife Service
   Corpus Christi Ecological Services Field Office
   C/O Texas A&M University at Corpus Christi
   6300 Ocean Drive, Box 338
   Corpus Christi, Texas 78412

   U.S. Fish & Wildlife Service
   Clear Lake Ecological Services Field Office
   17629 El Camino Real, Suite 215
   Houston, Texas 77058

After emailing the OCC, check the box below to indicate the email has been sent.

☐ Email sent to OCC requesting addition USFWS to the mailing list

Permit Writer: **Nikita Hardy** Date: **July 2, 2025**

TPDES PERMIT MAJOR/MINOR RATING WORK SHEET

TPDES No.: WQ0005371000 **NPDES No.:** TX0134077

Facility Name: Enterprise Products Operating LLC

City/County: Yoakum/ Lavaca

Receiving Water (Name/Segment No.):

Lavaca River Above Tidal 1602

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (no cooling pond/lake).
2. A nuclear power plant.
3. Cooling water discharge greater than 25% of the receiving waters 7Q2 flow rate.

☐ **YES** (score is 600, stop here).
☒ **NO** (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

☐ **YES** (score is 700, stop here).
☒ **NO** (continue)

FACTOR 1: Toxic Pollutant Potential

Primary SIC Code: 1321

Other SIC Codes: _____ _____ _____ _____

Industrial Subcategory Code _____

Determine the Toxicity potential from Appendix A of Major-Minor Rating Instructions. Be sure to use the TOTAL toxicity potential column and check one.

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
☐ No process wastestreams	0	0	☐ 3.	3	15	☐ 7.	7	35
☒ 1.	1	5	☐ 4.	4	20	☐ 8.	8	40
☐ 2.	2	10	☐ 5.	5	25	☐ 9.	9	45
			☐ 6.	6	30	☐ 10.	10	50

CODE NUMBER CHECKED **1**
TOTAL POINTS FACTOR 1: **5**

FACTOR 2: Flow/Stream Flow Volume (*Complete either Section A or B; check only one*)

SECTION A - Wastewater Flow Only Considered

		Code	Points
Type I:	Flow < 5 MGD	☒ 11	0
	Flow 5 to 10 MGD	☐ 12	10
	Flow 10 to 50 MGD	☐ 13	20
	Flow > 50	☐ 14	30
Type II:	Flow <1 MGD	☐ 21	10
	Flow 1 to 5 MGD	☐ 22	20
	Flow 5 to 10 MGD	☐ 23	30
	Flow > 10 MGD	☐ 24	50
Type III	Flow < 1 MGD	☐ 31	0
	Flow 1 to 5 MGD	☐ 32	10
	Flow 5 to 10 MGD	☐ 33	20
	Flow > 10 MGD	☐ 34	30

SECTION B - Wastewater & Stream Flow Considered

	Percent Effluent @ Mixing Zone	Code	Points
Type I/III:	< 10%	☐ 41	0
	10% to 50%	☐ 42	10
	> 50%	☐ 43	20
Type II:	< 10%	☐ 51	0
	10% to 50%	☐ 52	20
	> 50%	☐ 53	30

CODE NUMBER CHECKED **11**
TOTAL POINTS FACTOR 2: **0**

TPDES PERMIT MAJOR/MINOR RATING WORK SHEET

TPDES No.: WQ0005371000

FACTOR 3: Conventional Pollutants (*Only when limited by the permit)*

A. Oxygen Demanding Pollutant: (check one) ☐ BOD/CBOD ☐ COD ☐ Other:

Permit Limits: (check one)		Code	Points
☐	< 100 lbs/day	1	0
☐	100 to 1000 lbs/day	2	5
☐	1000 to 3000 lbs/day	3	15
☐	> 3000 lbs/day	4	20

B. Total Suspended Solids (TSS)

Permit Limits: (check one)		Code	Points
☐	< 100 lbs/day	1	0
☐	100 to 1000 lbs/day	2	5
☐	1000 to 5000 lbs/day	3	15
☐	> 5000 lbs/day	4	20

C. Nitrogen Pollutant: (check one) ☐ Ammonia ☐ Other:

Permit Limits: (check one)	Nitrogen Equivalent	Code	Points
☐	< 300 lbs/day	1	0
☐	300 to 1000 lbs/day	2	5
☐	1000 to 3000 lbs/day	3	15
☐	> 3000 lbs/day	4	20

CODE NUMBER CHECKED	**A**	-		**B**	-		**C**	-		
POINTS FACTOR 3:	**A**	**0**	**+**	**B**	**0**	**+**	**C**	**0**	**=**	**0** **Total**

FACTOR 4: Public Health Impacts

Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

☒ YES (If yes, check toxicity potential number below)
☐ NO (If no, go to Factor 5)

Determine the human health toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column - check one below.)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
☐ No process wastestreams	0	0	☐ 3.	3	0	☐ 7.	7	15
☒ 1.	1	0	☐ 4.	4	0	☐ 8.	8	20
☐ 2.	2	0	☐ 5.	5	5	☐ 9.	9	25
			☐ 6.	6	10	☐ 10.	10	30

CODE NUMBER CHECKED	**1**
TOTAL POINTS FACTOR 4:	**0**

TPDES PERMIT MAJOR/MINOR RATING WORK SHEET

TPDES No.: WQ0005371000

FACTOR 5: Water Quality Factors

A. *Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge?*

	Code	Points
☒ YES	1	10
☐ NO	2	0

B. *Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?*

	Code	Points
☒ YES	1	0
☐ NO	2	5

C. *Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?*

	Code	Points
☐ YES	1	10
☒ NO	2	0

CODE NUMBER CHECKED **A 1 B 1 C 2**

POINT FACTOR 5: **A 10 + B 0 + C 0 = 10 Total**

FACTOR 6: Proximity to Near Coastal Waters

Base Score: Enter flow code here (from Factor 2): 11

Enter the multiplication factor that corresponds to the flow code: 0

Check appropriate facility HPRI Code (from PCS):

	HPRI#	CODE	HPRI Score
☐	1	1	20
☐	2	2	0
☐	3	3	30
☐	4	4	0
☐	5	5	0

HPRI code checked: | |

Flow Code	Multiplication Factor
11, 31, or 41	0.00
12, 32, or 42	0.05
13, 33, or 43	0.10
14 or 34	0.15
21 or 51	0.10
22 or 52	0.30
23 or 53	0.60
24	1.00

Base Score: (HPRI Score) _____ X (Multiplication Factor) 0 = 0 (Total Points)

B. *Additional Points -- NEP Program*
For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see instructions and National Estuary Program Map viewer)?

	Code	Points
☐ YES	1	10
☐ NO	2	0

C. *Additional Points -- Great Lakes Area of Concern*
For a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern?

	Code	Points
☐ YES	1	10
☐ NO	2	0

CODE NUMBER CHECKED **A - B - C -**

POINT FACTOR 6: **A 0 + B 0 + C 0 = 0 Total**

TPDES PERMIT RATING WORK SHEET

TPDES No.: WQ0005371000

SCORE SUMMARY

Factor	Description	Total Points
1	Toxic Pollutant Potential	5
2	Flow/Streamflow Volume	0
3	Conventional Pollutants	0
4	Public Health Impacts	0
5	Water Quality Factors	10
6	Proximity to Near Coastal Waters	0
	TOTAL (Factors 1 through 6)	15

S1. Is the total score equal to or greater than 80?

☐ YES - Facility is a major, stop here.
☒ NO - Facility is NOT a major, proceed to S2.

S2. Do you want the facility to be designated a discretionary major?

☐ YES - Add 500 points to the score above and provide justification below.
☒ NO - Stop here

Justification:

Check appropriate classification:

☐ Major

☒ Minor

☐ Discretionary Major

Nikita Hardy
Permit Reviewer

512-239-3045
Phone Number

July 2, 2025
Date Reviewed

NEW SOURCE DETERMINATION WORKSHEET

PERMITTEE:	Enterprise Products Operating LLC
TPDES PERMIT NUMBER:	WQ0005371000
NPDES PERMIT NUMBER:	TX0134077
TYPE OF INDUSTRIAL ACTIVITY:	natural gas processing
SIC CODE:	1321
CATEGORICAL GUIDELINES:	N/A

A. NEW SOURCE DETERMINATION - SCREENING

ANSWER EITHER "YES" OR "NO" TO THE FOLLOWING QUESTIONS AND PROCEED AS DIRECTED:

1. Is there an applicable new source performance standard for this facility?

   Yes ☐ No ☒ If YES, proceed to Item No. 2. If NO proceed to Section B, the facility is not a new source.

2. Was the current production facility in existence prior to the promulgation of the applicable new source performance standard?

   Yes ☐ No ☐ If NO, proceed to Item No. 3. If YES proceed to Section B, the facility is not a new source.

3. This facility MAY be classified as a new source. Additional information will be required to conduct an evaluation and make a final determination. Please refer to 40 CFR 122.29.

B. NEW SOURCE DETERMINATION - DETERMINATION

PLEASE CHECK THE APPROPRIATE DETERMINATION:

☒ Facility IS NOT a new source. Determination made via screening in Section A above.

☐ Facility IS NOT a new source. Determination made via evaluation. Please see evaluation in Appendix A of the Statement of Basis/Technical Summary.

☐ Facility IS a new source. Determination made via evaluation. Please see evaluation in Appendix A of the Statement of Basis/Technical Summary.

Nikita Hardy — REVIEWER

July 2, 2025 — DATE

TOXIC RATING WORKSHEET

TPDES Permit No.:	WQ0005371000
NPDES Permit No.:	TX0134077
Permittee:	Enterprise Products Operating LLC
Facility:	Yoakum Cryogenic Plant
SIC Codes:	1. 1321 2. 3. 4.
40 CFR Section:	N/A
Toxic Rating for Facility:	4
Permit Writer:	Nikita Hardy Date: July 23, 2025

CALCULATE TOXIC RATING FOR THE FACILITY

For each outfall listed below, list the percent contribution to the total wastewater flow from the facility and the toxic rating for the outfall.

OUTFALL No.	% Contribution	Toxic Rating	Rating × Percent
001	100	4	400
		Total =	400

Toxic Rating for Facility = Total/100 = 4 (round to nearest whole #)

OUTFALL NO.: 001

List waste streams in order of percent contribution to outfall and toxic rating for each waste stream:

Description of Waste Stream	%	Toxic Rating	Rating × Percent
Reverse Osmosis Reject Water (water treatment wastes)	100	IV	400
	Total 100	IV	Total: 400

Toxic Rating for Outfall = Total/100 = 4 (round to nearest whole #)

OUTFALL CONTAMINATION DETERMINATION

Permittee Name: Enterprise Products Operating LLC

Permittee Number: WQ0005371000

Use this worksheet to make a determination for each internal and external Outfall. Enter the determination (i.e., contaminated or uncontaminated) into the space provided for each outfall.

If any box is checked "YES", the outfall is classified as "CONTAMINATED" for billing and PARIS. If no boxes are checked "YES", the outfall is classified as "UNCONTAMINATED" for billing and PARIS.

Outfall No.: _001_____

Yes	No	
☒	☐	toxic rating is greater than or equal to three
☒	☐	discharge requires limits based on water quality factors of the receiving stream
☐	☒	discharge is greater than 10% (or more than 1 MGD) process wastewater
☐	☒	discharge requires monitoring and reporting or limits for radioactive materials
☐	☒	other: (provide explanation)

Outfall Determination: <u>Contaminated</u>

Texas Commission on Environmental Quality

INTEROFFICE MEMORANDUM

To: Matthew Kennington, Team Leader
Industrial Permits Team, Wastewater Permitting Section

DATE: July 2, 2025

Thru: Peer Reviewer: Chris Linendoll, E.I.T.

From: Nikita Hardy, Permit Writer
Industrial Permits Team, Wastewater Permitting Section

Subject:

Applicant:	Enterprise Products Operating LLC			
Facility Name:	Yoakum Cryogenic Plant			
☒ **TPDES**	☐ **TCEQ**	WQ0005371000	**EPA ID. No.**	TX0134077
Industrial:	☒ **Minor**	☐ **Major**		
Toxic Rating:	4	**Stream Segment:**	1602	
Received:	March 20, 2024	**Administratively Complete:**	April 30, 2024	
Assigned:	June 27, 2024	**To Team Leader:**	July 2, 2025	
Tech Complete:	July 30, 2025			

ATTACHMENTS:	**State-Only**	**TPDES**
New	☐	☐
Renewal	☐	☒
Major Amendment	☐	☐
Minor Amendment	☐	☐
Staff Initiated Amendment	☐	☐
Fact Sheet	☐	☐
SOB/Technical Summary	☐	☒

RATIONALE Used to Draft Permit:		
☐	**Federal Guidelines:**	N/A
☐	**Waste Load Evaluation:**	
☒	**TCEQ Rules:**	30 TAC Chapters 305, 307, and 319
☒	**Existing Permit(s):**	NPDES Permit No. TX0134077, issued July 2, 2019 & RRC Permit No. 01133, issued February 7, 2019
☒	**Other:**	*Procedures to Implement the Texas Surface Water Quality Standards*, BPJ

Company's Rep: Mr. Michael Souliere, Senior Manager, Environmental

Phone #: 713-381-6757 Email: mpsouliere@eprod.com

Known Opposition: ☐ Yes ☒ No
If yes, briefly explain: _____

Comments:

☐ Permit is reclassified per the major/minor determination worksheet. ARP Team to be notified during ED Sub.

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

DESCRIPTION OF APPLICATION

Applicant:	Enterprise Products Operating LLC; Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0005371000 (EPA I.D. No. TX0134077)
Regulated activity:	Industrial wastewater permit
Type of application:	Renewal
Request:	Renewal with changes
Authority:	Federal Clean Water Act (CWA) §402; Texas Water Code (TWC) §26.027; 30 Texas Administrative Code (TAC) Chapter 305, Subchapters C-F, and Chapters 307 and 319; commission policies; and Environmental Protection Agency (EPA) guidelines

EXECUTIVE DIRECTOR RECOMMENDATION

The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The draft permit will expire at midnight, five years from the date of permit issuance according to the requirements of 30 TAC §305.127(1)(C)(i).

REASON FOR PROJECT PROPOSED

The applicant applied to the Texas Commission on Environmental Quality (TCEQ) for a renewal (with changes – see additional discussion) of its existing permits [Railroad Commission of Texas (RRC) Discharge Permit No.01133 and U.S. Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) Permit No. TX0134077] which are now combined into a single TPDES permit (No. WQ0005371000).

PROJECT DESCRIPTION AND LOCATION

The applicant currently operates Yoakum Cryogenic Plant, a natural gas processing facility.

The plant receives raw natural gas from wells located in the Eagle Ford Shale via a pipeline. The raw natural gas is processed through a liquid separation process, then impurities and various non-methane hydrocarbons and fluids are removed from the gas to produce pipeline quality natural gas and natural gas liquids. A reverse osmosis unit will treat well water obtained from an on-site well to provide up to 20,000 gallons per day of clean water for process use. The reverse osmosis reject water generated during this process will then flow into a storage tank where it will be held without treatment until manually released to flow through a pipeline for discharge at Outfall 001. The RO reject water will not come into contact with natural gas processing or stormwater. For RO treatment systems TCEQ uses the term "water treatment wastes" as the waste stream authorized for discharge as there may be some incidental discharges associated with RO treatment systems such as periodic cleaning of the membranes, etc.

The facility is located at 3721 US-77 ALT, near the City of Yoakum, Lavaca County, Texas 77995.

Discharge Route and Designated Uses

The effluent is discharged via pipe to unnamed tributary, thence to Clarks Creek, thence to Lavaca River Above Tidal in Segment 1602 of the Lavaca River Basin. The unclassified receiving water uses are limited aquatic life use for the unnamed tributary and limited aquatic life use for Clarks Creek. The designated uses for Segment No. 1602 are primary contact recreation, public water supply, and high

aquatic life use. The effluent limits in the draft permit will maintain and protect the existing instream uses. All determinations are preliminary and subject to additional review and revisions.

Antidegradation Review
In accordance with 30 Texas Administrative Code §307.5 and TCEQ's *Procedures to Implement the Texas Surface Water Quality Standards* (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. This review has preliminarily determined that no water bodies with exceptional, high, or intermediate aquatic life uses are present within the stream reach assessed; therefore, no Tier 2 degradation determination is required. No significant degradation of water quality is expected in water bodies with exceptional, high, or intermediate aquatic life uses downstream, and existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received.

Endangered Species Review
The Houston toad (*Bufo houstonensis Sanders*), an endangered aquatic-dependent species of critical concern, occurs within Lavaca County as well as the 12100101 United States Geological Survey hydrologic unit code. This determination is based on the United States Fish and Wildlife Service's (USFWS) biological opinion on the State of Texas authorization of the Texas Pollutant Discharge Elimination System (TPDES; September 14, 1998, October 21, 1998 update). To make this determination for TPDES permits, TCEQ and EPA only consider aquatic or aquatic dependent species occurring in watersheds of critical concern or high priority as listed in Appendix A of the USFWS biological opinion. The determination is subject to reevaluation due to subsequent updates or amendments to the biological opinion. Species distribution information for the watershed is provided by the USFWS and documents the toad's presence solely in the vicinity of Laughlin's Creek in Segment 1605, which is in a different watershed from the facility associated with this permit action. Based upon this information, it is determined that the facility's discharge is not expected to impact the Houston toad. The permit does not require EPA review with respect to the presence of endangered or threatened species.

Impaired Water Bodies
Segment No. 1602 is currently listed on the state's inventory of impaired and threatened waters, the 2022 CWA §303(d) list. The list is for elevated levels of bacteria from the confluence of Beard Branch upstream to the upper end of segment at the confluence of Campbell Branch in Hallettsville (AU 1602_02).

The draft permit does not authorize the discharge of domestic wastewater and has no other known sources of bacteria at the facility; therefore, it is not expected to cause or contribute to the impairment. Furthermore, this application is for renewal only with no request to increase flow or pollutant loading.

Completed Total Maximum Daily Loads (TMDLs)
Total Maximum Daily Load (TMDL) project 108C: *Two Total Maximum Daily Loads for Indicator Bacteria in Lavaca River Above Tidal and Rocky Creek* has been approved for this segment. On August 14, 2019, the Texas Commission on Environmental Quality (TCEQ) adopted *Two Total Maximum Daily Loads for Indicator Bacteria in Lavaca River Above Tidal and Rocky Creek*. The U.S. Environmental Protection Agency (USEPA) approved the TMDLs on October 25, 2019. The TMDL addresses elevated levels of bacteria in one classified segment and one unclassified segment (Lavaca River Above Tidal – 1602; and Rocky Creek – 1602B) in this watershed. This project takes a watershed approach, so all assessment units of Segment 1602 as well as all additional unclassified segments associated with it (1602A, 1602B, and 1602C) are subject to this TMDL.

The waste load allocation (WLA) for wastewater treatment facilities (WWTFs) was established as the final permitted flow for each facility multiplied by the geometric mean criterion for bacteria multiplied by a conversion factor (to get to units per day). The allocated loads were calculated for *E. coli*. Future growth from existing or new permitted sources is not limited by these TMDLs as long as the sources do not exceed the limits provided.

Industrial permits with no domestic component are not given individual WLAs. The draft permit only authorizes the discharge of water treatment wastes, there is no domestic component. Therefore, the draft permit complies with the TMDL requirements.

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

SUMMARY OF EFFLUENT DATA

The following is a quantitative description of the discharge described in the monthly effluent report data for the period of September 2019 through March 2024. The "Avg of Daily Avg" values presented in the following table are the average of all daily average values for the reporting period for each pollutant. The "Max of Daily Max" values presented in the following table are the individual maximum values for the reporting period for each pollutant. Flows are expressed in million gallons per day (MGD). All pH values are expressed in standard units (SU).

Flow

Outfall	Frequency	Avg of Daily Avg, MGD	Max of Daily Max, MGD
001	Continuous	0.011	0.023

Effluent Characteristics

Outfall	Pollutant	Avg of Daily Avg		Max of Daily Max	
		lbs/day	mg/L	lbs/day	mg/L
001	Oil and Grease [1]	N/A	-	N/A	-
	Total Dissolved Solids (TDS)	179.33	1900	594.25	4141.00
	pH	7.13 SU (minimum)		8.1 SU (maximum)	

Effluent limit violations documented in the monthly effluent reports are summarized in the following table.

Effluent Limitation Violations

Outfall	Pollutant (units)	Report Date	Daily Average		Daily Maximum	
			Limit	Reported	Limit	Reported
001	Flow	2/28/2022	-	-	0.02 MGD	0.0234 MGD

The exceedance listed above is only in reference to the RRC permit requirements as the NPDES permit does not have a flow limit. The draft permit was not changed to address this effluent limit violation

[1] The existing RRC Permit No. 01133 (but not the NPDES permit) has oil and grease limits, but no data for this parameter was available in the EPA ICIS discharge monitoring reports.

because the violation was a single occurrence over the permit term and was very slight, therefore there is not a pattern of noncompliance.

DRAFT PERMIT CONDITIONS

The draft permit authorizes the discharge of water treatment wastes at a daily average flow not to exceed 0.0173 MGD via Outfall 001.

Effluent limitations are established in the draft permit as follows:

Outfall	Pollutant	Daily Average mg/L	Daily Maximum mg/L
001	Flow	0.0173 MGD	0.02 MGD
	TDS [2]	Report	Report
	TDS [3]	2279	4823
	Oil and Grease	10	15
	pH	6.5 SU (minimum)	9.0 SU (maximum)

OUTFALL LOCATIONS

Outfall	Latitude	Longitude
001	29.3427542 N	97.1068918 W

Technology-Based Effluent Limitations
Regulations in Title 40 of the Code of Federal Regulations (40 CFR) require that technology-based limitations be placed in wastewater discharge permits based on effluent limitations guidelines, where applicable, or on best professional judgment (BPJ) in the absence of guidelines. There are no applicable ELGs for the discharge from this facility.

The existing RRC permit contains technology-based effluent limitations in place at Outfall 001 for oil and grease which are continued in the draft permit as there was not a major amendment request for removal of these limitations.

Water Quality-Based Effluent Limitations
Calculations of water quality-based effluent limitations for the protection of aquatic life and human health are presented in Appendix A. Aquatic life criteria established in Table 1 and human health criteria established in Table 2 of 30 TAC Chapter 307 are incorporated into the calculations, as are recommendations in the Water Quality Assessment Team's memorandum dated June 27, 2024. TCEQ practice for determining significant potential is to compare the reported analytical data from the facility against percentages of the calculated daily average water quality-based effluent limitation. Permit limitations are required when analytical data reported in the application exceeds 85 percent of the calculated daily average water quality-based effluent limitation. Monitoring and reporting is required when analytical data reported in the application exceeds 70 percent of the calculated daily average water quality-based effluent limitation.

Data reported in the application was screened against the calculated water quality-based effluent limitations. No water quality-based effluent limitations or monitoring requirements are required.

Total Dissolved Solids (TDS), Chloride, and Sulfate Screening

[2] Beginning on the date of permit issuance and lasting one year from the date of permit issuance.
[3] Beginning one year from the date of permit issuance and lasting until the date of permit expiration.

The average concentration of TDS and chloride in the effluent is greater than the segment criterion. Screening procedures and effluent limitations for TDS, chloride, and sulfate are calculated using the methodology in the *Procedures to Implement the Texas Surface Water Quality Standards*, June 2010, and criteria in the *Texas Surface Water Quality Standards* (30 TAC Chapter 307). Detailed calculations are presented in Appendix B. Based on the screening, no effluent limitations are needed for chloride or sulfate, but permit limits may be needed for TDS. A daily average TDS concentration limit of 2279 mg/L and a daily maximum TDS limit of 4823 mg/L have been added to the draft permit.

The draft permit includes an interim three-year compliance period for TDS in accordance with 30 TAC §307.2(f). The interim compliance period will give the applicant time to complete an evaluation process for effluent limit compliance and to implement any new treatment methods to attain compliance if needed. Other Requirement No. 5 has been added to the draft permit describing the compliance period requirements.

pH Screening
The existing permits includes pH limits of 6.5 – 9.0 SU at Outfall 001, which discharges into an unclassified water body. Consistent with the procedures for pH screening that were submitted to EPA with a letter dated May 28, 2014, and approved by EPA in a letter dated June 2, 2014, requiring a discharge to an unclassified water body to meet pH limits of 6.0 – 9.0 standard units reasonably ensures instream compliance with *Texas Surface Water Quality Standards* pH criteria. The existing NPDES and RRC permits include pH limits of 6.5 – 9.0 SU at Outfall 001 which is the segment criteria for Segment No. 1602. These limits have been carried forward in the draft permit.

Whole Effluent Toxicity Testing (Biomonitoring)
Biomonitoring requirements are not included in the draft permit at Outfall 001.

The existing EPA NPDES and Railroad Commission permits did not establish biomonitoring requirements and discharges authorized by this permit do not meet the threshold established in the *Procedures to Implement the Texas Surface Water Quality Standards* (RG-194) to impose biomonitoring requirements.

SUMMARY OF CHANGES FROM APPLICATION

The following changes have been made from the application, which make the draft permit more stringent. The TDS Menu 7 screening perennial pools characteristics indicate the need for TDS limits. Therefore, a daily average TDS concentration limit of 2279 mg/L and a daily maximum TDS concentration limit of 4823 mg/L have been added to the draft permit. An interim three-year compliance period for TDS has been added to the draft permit in accordance with 30 TAC §307.2(f).

SUMMARY OF CHANGES FROM EXISTING PERMIT

The following additional changes have been made to the draft permit.

1. The standard TPDES permit conditions found on pages 3-13 of this draft vary from the standard conditions in the existing NPDES and RRC permits, and are established in the draft permit.
2. The permittee requested a renewal with changes for the discharge of reverse osmosis reject water (water treatment wastes) being rerouted to avoid the stormwater retention pond and instead discharge via pipe directly into the unnamed tributary of Clarks Creek, and to remove the Storm Water Pollution Prevention Plan (SWP3) requirements as this permit no longer authorizes the discharge of stormwater.

3. A daily average flow limit of 0.0173 MGD per Item 4 of the Technical Report has been added to the draft permit to comply with TCEQ practice for outfalls which discharge continuously.

BASIS FOR DRAFT PERMIT

The following items were considered in developing the draft permit:

1. Application received on March 20, 2024, and additional information received on April 22, 2024, June 5, 2024, May 9, 2025, May 19, 2025, June 18, 2025, July 28, 2025, July 29, 2025, August 7th, 2025, and August 8, 2025.
2. Existing permits: NPDES Permit No. TX0134077 issued on July 2, 2019 and RRC Permit No. 01133 issued on February 7, 2019.
3. TCEQ Rules.
4. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 1, 2018, as approved by EPA Region 6.
5. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective March 6, 2014, as approved by EPA Region 6, for portions of the 2018 standards not approved by EPA Region 6.
6. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective July 22, 2010, as approved by EPA Region 6, for portions of the 2014 standards not approved by EPA Region 6.
7. *Texas Surface Water Quality Standards* – 30 TAC §§307.1-307.10, effective August 17, 2000, and Appendix E, effective February 27, 2002, for portions of the 2010 standards not approved by EPA Region 6.
8. *Procedures to Implement the Texas Surface Water Quality Standards* (IPs), Texas Commission on Environmental Quality, June 2010, as approved by EPA Region 6.
9. *Procedures to Implement the Texas Surface Water Quality Standards*, Texas Commission on Environmental Quality, January 2003, for portions of the 2010 IPs not approved by EPA Region 6.
10. Memos from the Standards Implementation Team and Water Quality Assessment Team of the Water Quality Assessment Section of the TCEQ.
11. *Guidance Document for Establishing Monitoring Frequencies for Domestic and Industrial Wastewater Discharge Permits*, TCEQ Document No. 98-001.000-OWR-WQ, May 1998.
12. EPA Effluent Guidelines: N/A.
13. Consistency with the Coastal Management Plan: N/A
14. Letter dated May 28, 2014, from L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ, to Bill Honker, Director, Water Quality Protection Division, EPA (TCEQ proposed development strategy for pH evaluation procedures).
15. Letter dated June 2, 2014, from William K. Honker, P.E., Director, Water Quality Protection Division, EPA, to L'Oreal W. Stepney, P.E., Deputy Director, Office of Water, TCEQ (Approval of TCEQ proposed development strategy for pH evaluation procedures).

PROCEDURES FOR FINAL DECISION

When an application is declared administratively complete, the chief clerk sends a letter to the applicant advising the applicant to publish the Notice of Receipt of Application and Intent to Obtain Permit in the newspaper. In addition, the Chief Clerk instructs the applicant to place a copy of the application in a public place for reviewing and copying in the county where the facility is or will be located. This application will be in a public place throughout the comment period. The Chief Clerk also mails this notice to any interested persons and, if required, to landowners identified in the permit application. This notice informs the public about the application and provides that an interested person may file comments on the application or request a contested case hearing or a public meeting.

Once a draft permit is completed, it is sent to the Chief Clerk, along with the Executive Director's preliminary decision contained in the technical summary or fact sheet. At that time, the combined Notice of Receipt of Application and Intent to Obtain a Water Quality Permit/Notice of Application and

Preliminary Decision will be mailed to the same people and published in the same newspaper as the prior notice. This notice sets a deadline for making public comments. The applicant must place a copy of the Executive Director's preliminary decision and draft permit in the public place with the application.

Any interested person may request a public meeting on the application until the deadline for filing public comments. A public meeting is intended for the taking of public comment and is not a contested case hearing.

After the public comment deadline, the Executive Director prepares a response to all significant public comments on the application or the draft permit raised during the public comment period. The Chief Clerk then mails the Executive Director's response to comments and final decision to people who have filed comments, requested a contested case hearing, or requested to be on the mailing list. This notice provides that if a person is not satisfied with the Executive Director's response and decision, they can request a contested case hearing or file a request to reconsider the Executive Director's decision within 30 days after the notice is mailed.

The Executive Director will issue the permit unless a written hearing request or request for reconsideration is filed within 30 days after the Executive Director's response to comments and final decision is mailed. If a hearing request or request for reconsideration is filed, the Executive Director will not issue the permit and will forward the application and request to the TCEQ commissioners for their consideration at a scheduled commission meeting. If a contested case hearing is held, it will be a legal proceeding similar to a civil trial in state district court.

If the Executive Director calls a public meeting or the commission grants a contested case hearing as described above, the commission will give notice of the date, time, and place of the meeting or hearing. If a hearing request or request for reconsideration is made, the commission will consider all public comments in making its decision and shall either adopt the Executive Director's response to public comments or prepare its own response.

For additional information about this application, contact Nikita Hardy at (512) 239-3045.

Nikita Hardy
Nikita Hardy

August 8, 2025
Date

Appendix A
Calculated Water Quality-Based Effluent Limits

TEXTOX MENU #7 - INTERMITTENT STREAM WITH PERENNIAL POOLS

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

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

PERMIT INFORMATION

Permittee Name:	Enterprise Products Operating LLC
TPDES Permit No.:	WQ0005371000
Outfall No.:	001
Prepared by:	Nikita Hardy
Date:	May 30, 2025

DISCHARGE INFORMATION

Intermittent Receiving Waterbody:	Unnamed tributary
Segment No.:	1602
TSS (mg/L):	5.8
pH (Standard Units):	7.7
Hardness (mg/L as $CaCO_3$):	148
Chloride (mg/L):	66
Effluent Flow for Aquatic Life (MGD):	0.0173
Critical Low Flow [7Q2] (cfs):	0
% Effluent for Chronic Aquatic Life:	100
% Effluent for Acute Aquatic Life:	100
Effluent Flow for Human Health (MGD):	0.0173
Harmonic Mean Flow (cfs):	0.1
% Effluent for Human Health:	21.115

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

Stream/River Metal	*Intercept (b)*	*Slope (m)*	*Partition Coefficient (Kp)*	*Dissolved Fraction (Cd/Ct)*	*Source*	*Water Effect Ratio (WER)*	*Source*
Aluminum	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Arsenic	5.68	-0.73	132647.04	0.565		1.00	Assumed
Cadmium	6.60	-1.13	546168.15	0.240		1.00	Assumed
Chromium (total)	6.52	-0.93	645672.02	0.211		1.00	Assumed
Chromium (trivalent)	6.52	-0.93	645672.02	0.211		1.00	Assumed
Chromium (hexavalent)	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Copper	6.02	-0.74	285143.37	0.377		1.00	Assumed
Lead	6.45	-0.80	690649.35	0.200		1.00	Assumed
Mercury	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Nickel	5.69	-0.57	179823.33	0.489		1.00	Assumed
Selenium	N/A	N/A	N/A	1.00	Assumed	1.00	Assumed
Silver	6.38	-1.03	392345.94	0.305		1.00	Assumed
Zinc	6.10	-0.70	367790.41	0.319		1.00	Assumed

AQUATIC LIFE

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*FW Acute Criterion (µg/L)*	*FW Chronic Criterion (µg/L)*	*WLAa (µg/L)*	*WLAc (µg/L)*	*LTAa (µg/L)*	*LTAc (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Aldrin	3.0	N/A	3.00	N/A	1.72	N/A	2.52	5.34
Aluminum	991	N/A	991	N/A	568	N/A	834	1765
Arsenic	340	150	602	265	345	204	300	635
Cadmium	12.6	0.323	52.4	1.35	30.0	1.04	1.52	3.22
Carbaryl	2.0	N/A	2.00	N/A	1.15	N/A	1.68	3.56
Chlordane	2.4	0.004	2.40	0.00400	1.38	0.00308	0.00452	0.00957
Chlorpyrifos	0.083	0.041	0.0830	0.0410	0.0476	0.0316	0.0464	0.0981
Chromium (+3)	785	102	3727	485	2136	373	548	1160
Chromium (+6)	15.7	10.6	15.7	10.6	9.00	8.16	11.9	25.3
Copper	20.5	13.2	54.5	35.1	31.2	27.0	39.7	84.1
Cyanide (free)	45.8	10.7	45.8	10.7	26.2	8.24	12.1	25.6
4,4'-DDT	1.1	0.001	1.10	0.00100	0.630	0.000770	0.00113	0.00239
Demeton	N/A	0.1	N/A	0.100	N/A	0.0770	0.113	0.239
Diazinon	0.17	0.17	0.170	0.170	0.0974	0.131	0.143	0.302
Dicofol	59.3	19.8	59.3	19.8	34.0	15.2	22.4	47.4
Dieldrin	0.24	0.002	0.240	0.00200	0.138	0.00154	0.00226	0.00478
Diuron	210	70	210	70.0	120	53.9	79.2	167
Endosulfan I (alpha)	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endosulfan II (beta)	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endosulfan sulfate	0.22	0.056	0.220	0.0560	0.126	0.0431	0.0633	0.134
Endrin	0.086	0.002	0.0860	0.00200	0.0493	0.00154	0.00226	0.00478
Guthion	N/A	0.01	N/A	0.0100	N/A	0.00770	0.0113	0.0239
Heptachlor	0.52	0.004	0.520	0.00400	0.298	0.00308	0.00452	0.00957
Hexachlorocyclohexane (Lindane)	1.126	0.08	1.13	0.0800	0.645	0.0616	0.0905	0.191
Lead	99	3.85	494	19.3	283	14.8	21.7	46.1
Malathion	N/A	0.01	N/A	0.0100	N/A	0.00770	0.0113	0.0239
Mercury	2.4	1.3	2.40	1.30	1.38	1.00	1.47	3.11
Methoxychlor	N/A	0.03	N/A	0.0300	N/A	0.0231	0.0339	0.0718
Mirex	N/A	0.001	N/A	0.00100	N/A	0.000770	0.00113	0.00239
Nickel	652	72.5	1333	148	764	114	167	354
Nonylphenol	28	6.6	28.0	6.60	16.0	5.08	7.47	15.8
Parathion (ethyl)	0.065	0.013	0.0650	0.0130	0.0372	0.0100	0.0147	0.0311
Pentachlorophenol	17.6	13.5	17.6	13.5	10.1	10.4	14.8	31.4
Phenanthrene	30	30	30.0	30.0	17.2	23.1	25.2	53.4
Polychlorinated Biphenyls (PCBs)	2.0	0.014	2.00	0.0140	1.15	0.0108	0.0158	0.0335

Selenium	20	5	20.0	5.00	11.5	3.85	5.65	11.9
Silver	0.8	N/A	14.8	N/A	8.45	N/A	12.4	26.2
Toxaphene	0.78	0.0002	0.780	0.000200	0.447	0.000154	0.000226	0.000478
Tributyltin (TBT)	0.13	0.024	0.130	0.0240	0.0745	0.0185	0.0271	0.0574
2,4,5 Trichlorophenol	136	64	136	64.0	77.9	49.3	72.4	153
Zinc	163	165	512	516	293	397	431	912

HUMAN HEALTH (APPLIES FOR INCIDENTAL FRESHWATER FISH TISSUE)

CALCULATE DAILY AVERAGE AND DAILY MAXIMUM EFFLUENT LIMITATIONS:

Parameter	*Incidental Fish Criterion (µg/L)*	*WLAh (µg/L)*	*LTAh (µg/L)*	*Daily Avg. (µg/L)*	*Daily Max. (µg/L)*
Acrylonitrile	1150	5446	5065	7445	15752
Aldrin	1.147E-04	0.000543	0.000505	0.000742	0.00157
Anthracene	13170	62373	58006	85269	180400
Antimony	10710	50722	47172	69342	146703
Arsenic	N/A	N/A	N/A	N/A	N/A
Barium	N/A	N/A	N/A	N/A	N/A
Benzene	5810	27516	25590	37616	79584
Benzidine	1.07	5.07	4.71	6.92	14.6
Benzo(*a*)anthracene	0.25	1.18	1.10	1.61	3.42
Benzo(*a*)pyrene	0.025	0.118	0.110	0.161	0.342
Bis(chloromethyl)ether	2.745	13.0	12.1	17.7	37.6
Bis(2-chloroethyl)ether	428.3	2028	1886	2773	5866
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	75.5	358	333	488	1034
Bromodichloromethane [Dichlorobromomethane]	2750	13024	12112	17804	37668
Bromoform [Tribromomethane]	10600	50201	46687	68629	145196
Cadmium	N/A	N/A	N/A	N/A	N/A
Carbon Tetrachloride	460	2179	2026	2978	6300
Chlordane	0.025	0.118	0.110	0.161	0.342
Chlorobenzene	27370	129623	120549	177207	374908
Chlorodibromomethane [Dibromochloromethane]	1830	8667	8060	11848	25066
Chloroform [Trichloromethane]	76970	364526	339010	498343	1054319
Chromium (hexavalent)	5020	23774	22110	32502	68762
Chrysene	25.2	119	111	163	345
Cresols [Methylphenols]	93010	440491	409657	602195	1274032
Cyanide (free)	N/A	N/A	N/A	N/A	N/A
4,4'-DDD	0.02	0.0947	0.0881	0.129	0.273
4,4'-DDE	0.0013	0.00616	0.00573	0.00841	0.0178
4,4'-DDT	0.004	0.0189	0.0176	0.0258	0.0547
2,4'-D	N/A	N/A	N/A	N/A	N/A
Danitol [Fenpropathrin]	4730	22401	20833	30624	64790
1,2-Dibromoethane [Ethylene Dibromide]	42.4	201	187	274	580
m-Dichlorobenzene [1,3-Dichlorobenzene]	5950	28179	26206	38523	81501
o-Dichlorobenzene [1,2-Dichlorobenzene]	32990	156239	145302	213594	451890
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A	N/A	N/A	N/A
3,3'-Dichlorobenzidine	22.4	106	98.7	145	306
1,2-Dichloroethane	3640	17239	16032	23567	49859
1,1-Dichloroethylene [1,1-Dichloroethene]	551140	2610174	2427461	3568368	7549404
Dichloromethane [Methylene Chloride]	133330	631445	587244	863248	1826327
1,2-Dichloropropane	2590	12266	11407	16769	35477
1,3-Dichloropropene [1,3-Dichloropropylene]	1190	5636	5241	7704	16300
Dicofol [Kelthane]	3	14.2	13.2	19.4	41.0
Dieldrin	2.0E-04	0.000947	0.000881	0.00129	0.00273
2,4-Dimethylphenol	84360	399525	371558	546190	1155546
Di-*n*-Butyl Phthalate	924	4376	4070	5982	12656
Dioxins/Furans [TCDD Equivalents]	7.97E-07	0.0000038	0.0000035	0.0000052	0.0000109
Endrin	0.2	0.947	0.881	1.29	2.73
Epichlorohydrin	20130	95335	88661	130332	275736
Ethylbenzene	18670	88420	82231	120879	255737
Ethylene Glycol	1.68E+08	795640231	739945415	1087719760	2301230240

Fluoride	N/A	N/A	N/A	N/A	N/A
Heptachlor	0.001	0.00474	0.00440	0.00647	0.0136
Heptachlor Epoxide	0.0029	0.0137	0.0128	0.0187	0.0397
Hexachlorobenzene	0.0068	0.0322	0.0300	0.0440	0.0931
Hexachlorobutadiene	2.2	10.4	9.69	14.2	30.1
Hexachlorocyclohexane (*alpha*)	0.084	0.398	0.370	0.543	1.15
Hexachlorocyclohexane (*beta*)	2.6	12.3	11.5	16.8	35.6
Hexachlorocyclohexane (*gamma*) [Lindane]	3.41	16.1	15.0	22.0	46.7
Hexachlorocyclopentadiene	116	549	511	751	1588
Hexachloroethane	23.3	110	103	150	319
Hexachlorophene	29	137	128	187	397
4,4'-Isopropylidenediphenol [Bisphenol A]	159820	756900	703917	1034758	2189182
Lead	38.3	908	844	1241	2626
Mercury	0.122	0.578	0.537	0.789	1.67
Methoxychlor	30	142	132	194	410
Methyl Ethyl Ketone	9.92E+06	46980661	43692015	64227262	135882166
Methyl *tert*-butyl ether [MTBE]	104820	496423	461673	678659	1435803
Nickel	11400	110300	102579	150791	319020
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A	N/A	N/A	N/A
Nitrobenzene	18730	88704	82495	121267	256559
N-Nitrosodiethylamine	21	99.5	92.5	135	287
N-Nitroso-di-*n*-Butylamine	42	199	185	271	575
Pentachlorobenzene	3.55	16.8	15.6	22.9	48.6
Pentachlorophenol	2.9	13.7	12.8	18.7	39.7
Polychlorinated Biphenyls [PCBs]	6.40E-03	0.0303	0.0282	0.0414	0.0876
Pyridine	9470	44849	41710	61313	129718
Selenium	N/A	N/A	N/A	N/A	N/A
1,2,4,5-Tetrachlorobenzene	2.4	11.4	10.6	15.5	32.8
1,1,2,2-Tetrachloroethane	263.5	1248	1161	1706	3609
Tetrachloroethylene [Tetrachloroethylene]	2800	13261	12332	18128	38353
Thallium	2.3	10.9	10.1	14.8	31.5
Toluene	N/A	N/A	N/A	N/A	N/A
Toxaphene	0.11	0.521	0.484	0.712	1.50
2,4,5-TP [Silvex]	3690	17476	16252	23890	50544
1,1,1-Trichloroethane	7843540	37146643	34546378	50783175	107439234
1,1,2-Trichloroethane	1660	7862	7311	10747	22738
Trichloroethylene [Trichloroethene]	719	3405	3167	4655	9848
2,4,5-Trichlorophenol	18670	88420	82231	120879	255737
TTHM [Sum of Total Trihalomethanes]	N/A	N/A	N/A	N/A	N/A
Vinyl Chloride	165	781	727	1068	2260

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

Aquatic Life	***70% of Daily Avg.***	***85% of Daily Avg.***
Parameter	***(µg/L)***	***(µg/L)***
Aldrin	1.76	2.14
Aluminum	584	709
Arsenic	210	255
Cadmium	1.06	1.29
Carbaryl	1.17	1.43
Chlordane	0.00316	0.00384
Chlorpyrifos	0.0324	0.0394
Chromium (+3)	384	466
Chromium (+6)	8.39	10.1
Copper	27.8	33.7

Cyanide (free)	8.47	10.2
4,4'-DDT	0.000792	0.000962
Demeton	0.0792	0.0962
Diazinon	0.100	0.121
Dicofol	15.6	19.0
Dieldrin	0.00158	0.00192
Diuron	55.4	67.3
Endosulfan (alpha)	0.0443	0.0538
Endosulfan (beta)	0.0443	0.0538
Endosulfan sulfate	0.0443	0.0538
Endrin	0.00158	0.00192
Guthion	0.00792	0.00962
Heptachlor	0.00316	0.00384
Hexachlorocyclohexane (Lindane)	0.0633	0.0769
Lead	15.2	18.5
Malathion	0.00792	0.00962
Mercury	1.03	1.25
Methoxychlor	0.0237	0.0288
Mirex	0.000792	0.000962
Nickel	117	142
Nonylphenol	5.22	6.34
Parathion (ethyl)	0.0103	0.0125
Pentachlorophenol	10.3	12.6
Phenanthrene	17.6	21.4
Polychlorinated Biphenyls (PCBs)	0.0110	0.0134
Selenium	3.96	4.81
Silver	8.69	10.5
Toxaphene	0.000158	0.000192
Tributyltin (TBT)	0.0190	0.0230
2,4,5 Trichlorophenol	50.7	61.5
Zinc	301	366

Human Health ***Parameter***	***70% of Daily Avg. (µg/L)***	***85% of Daily Avg. (µg/L)***
Acrylonitrile	5211	6328
Aldrin	0.000519	0.000631
Anthracene	59688	72479
Antimony	48539	58940
Arsenic	N/A	N/A
Barium	N/A	N/A
Benzene	26331	31974
Benzidine	4.84	5.88
Benzo(*a*)anthracene	1.13	1.37
Benzo(*a*)pyrene	0.113	0.137
Bis(chloromethyl)ether	12.4	15.1
Bis(2-chloroethyl)ether	1941	2357
Bis(2-ethylhexyl) phthalate [Di(2-ethylhexyl) phthalate]	342	415
Bromodichloromethane [Dichlorobromomethane]	12463	15134
Bromoform [Tribromomethane]	48040	58335
Cadmium	N/A	N/A
Carbon Tetrachloride	2084	2531
Chlordane	0.113	0.137
Chlorobenzene	124045	150626
Chlorodibromomethane [Dibromochloromethane]	8293	10071
Chloroform [Trichloromethane]	348840	423592

Chromium (hexavalent)	22751	27626
Chrysene	114	138
Cresols [Methylphenols]	421536	511866
Cyanide (free)	N/A	N/A
4,4'-DDD	0.0906	0.110
4,4'-DDE	0.00589	0.00715
4,4'-DDT	0.0181	0.0220
2,4'-D	N/A	N/A
Danitol [Fenpropathrin]	21437	26030
1,2-Dibromoethane [Ethylene Dibromide]	192	233
m-Dichlorobenzene [1,3-Dichlorobenzene]	26966	32744
o-Dichlorobenzene [1,2-Dichlorobenzene]	149516	181555
p-Dichlorobenzene [1,4-Dichlorobenzene]	N/A	N/A
3,3'-Dichlorobenzidine	101	123
1,2-Dichloroethane	16497	20032
1,1-Dichloroethylene [1,1-Dichloroethene]	2497857	3033113
Dichloromethane [Methylene Chloride]	604273	733760
1,2-Dichloropropane	11738	14253
1,3-Dichloropropene [1,3-Dichloropropylene]	5393	6548
Dicofol [Kelthane]	13.5	16.5
Dieldrin	0.000906	0.00110
2,4-Dimethylphenol	382333	464262
Di-*n*-Butyl Phthalate	4187	5085
Dioxins/Furans [TCDD Equivalents]	0.0000036	0.0000044
Endrin	0.906	1.10
Epichlorohydrin	91232	110782
Ethylbenzene	84615	102747
Ethylene Glycol	761403832	924561796
Fluoride	N/A	N/A
Heptachlor	0.00453	0.00550
Heptachlor Epoxide	0.0131	0.0159
Hexachlorobenzene	0.0308	0.0374
Hexachlorobutadiene	9.97	12.1
Hexachlorocyclohexane (*alpha*)	0.380	0.462
Hexachlorocyclohexane (*beta*)	11.7	14.3
Hexachlorocyclohexane (*gamma*) [Lindane]	15.4	18.7
Hexachlorocyclopentadiene	525	638
Hexachloroethane	105	128
Hexachlorophene	131	159
4,4'-Isopropylidenediphenol [Bisphenol A]	724330	879544
Lead	868	1055
Mercury	0.552	0.671
Methoxychlor	135	165
Methyl Ethyl Ketone	44959083	54593172
Methyl *tert*-butyl ether [MTBE]	475061	576860
Nickel	105553	128172
Nitrate-Nitrogen (as Total Nitrogen)	N/A	N/A
Nitrobenzene	84887	103077
N-Nitrosodiethylamine	95.1	115
N-Nitroso-di-*n*-Butylamine	190	231
Pentachlorobenzene	16.0	19.5
Pentachlorophenol	13.1	15.9
Polychlorinated Biphenyls [PCBs]	0.0290	0.0352
Pyridine	42919	52116
Selenium	N/A	N/A
1,2,4,5-Tetrachlorobenzene	10.8	13.2

1,1,2,2-Tetrachloroethane	1194	1450
Tetrachloroethylene [Tetrachloroethylene]	12690	15409
Thallium	10.4	12.6
Toluene	N/A	N/A
Toxaphene	0.498	0.605
2,4,5-TP [Silvex]	16723	20307
1,1,1-Trichloroethane	35548222	43165698
1,1,2-Trichloroethane	7523	9135
Trichloroethylene [Trichloroethene]	3258	3956
2,4,5-Trichlorophenol	84615	102747
TTHM [Sum of Total Trihalomethanes]	N/A	N/A
Vinyl Chloride	747	908

Appendix B
TDS, Chloride, and Sulfate Screening Calculations

Screening Calculations for Total Dissolved Solids, Chloride, and Sulfate

Menu 7 - Discharge to an Intermittent Stream with Perennial Pools

Screen the Intermittent Characteristics of the Stream

Applicant Name:	**Enterprise Products Operating, LLC**
Permit Number, Outfall:	**05371-000**
Segment Number:	**1602**

Enter values needed for screening:			**Data Source (edit if different)**
TDS CC - segment criterion - TDS	**700**	mg/L	2010 TSWQS, Appendix A
Cl CC - segment criterion - chloride	**200**	mg/L	2010 TSWQS, Appendix A
SO4 CC - segment criterion - sulfate	**100**	mg/L	2010 TSWQS, Appendix A
TDS CE - average effluent concentration - TDS	**2405**	mg/L	Permit application
Cl CE - average effluent concentration - chloride	**498.5**	mg/L	Permit application
SO4 CE - average effluent concentration - sulfate	**71.9**	mg/L	Permit application

	TDS	CL-	SO4
Sample 1	2010	577	66.3
Sample 2	2950	499	68
Sample 3	2760	490	72.5
Sample 4	1900	428	80.8
AVG	**2405**	**498.5**	**71.9**

TDS Screening

The TDS screening value is determined by first calculating an initial TDS concentration, C_{TDS}, as follows:

$$C_{TDS} = (\text{TDS CC} / 500 \text{ mg/L}) * 2{,}500 \text{ mg/L}$$

Where:	C_{TDS} = TDS concentration used to determine Csv screening value
	TDS CC = TDS criterion at the first downstream segment
	500 mg/L = the median TDS concentration in Texas streams
	2,500 mg/L = the minimum TDS screening value

C_{TDS} = 3500 mg/L

The next step is to use the initial C_{TDS} to set the actual TDS screening value, TDS Csv, using the following table:

If C_{TDS}		Then TDS Csv
≤ 2,500 mg/L	=	2,500 mg/L
> 2,500 mg/L	=	C_{TDS}
> 6,000 mg/L	=	6,000 mg/L

Some specific types of intermittent streams have alternative screening values (Csv):

Specific Type of Intermittent Stream	If C_{TDS} is	Default Csv =
Dry except for short-term flow in immediate response to rainfall.	< 4,000 mg/L	4,000 mg/L
	≥ 4,000 mg/L	C_{TDS}
Constructed ditch conveying stormwater and wastewater, considered water in the state.	< 4,000 mg/L	4,000 mg/L
	≥ 4,000 mg/L	C_{TDS}
Within 3 miles of tidal waters.	—	6,000 mg/L

Once TDS Csv is established, the next step is to compare the effluent TDS concentration, TDS CE, to the screening value. Control measures, which may include effluent limitations, are considered for TDS if the effluent TDS is greater than the screening value.

Values needed for Screening			Data Source
TDS CE - average effluent TDS concentration	2405	mg/L	Permit application
TDS Csv - TDS screening value	**3500**	mg/L	Determined above

No control measures needed if:	2405	≤	3500
Consider control measures if:	2405	>	3500

No control measures needed for TDS

When effluent limitations are established in the permit, the daily average TDS limit is typically set equal to the TDS screening value. The daily maximum TDS limit is calculated as 2.12 times the daily average limit.

Total Dissolved Solids

Daily Average = N/A mg/L

Daily Maximum	=	N/A	mg/L

Chloride Screening

If TDS limits are necessary or there are concerns about chloride, additional screening can be performed for chloride. First calculate the screening value for chloride, Cl Csv, as follows:

Cl Csv = (TDS Csv /TDS CC) * Cl CC

Where:	Cl Csv = chloride screening value
	TDS Csv = TDS screening value
	TDS CC = TDS criterion at the first downstream segment
	Cl CC - chloride criterion at the first downstream segment

Cl Csv = **1000** mg/L

Once the Cl Csv is established, the next step is to compare the effluent chloride concentration, Cl CE, to the screening value. Control measures, which may include effluent limitations, are considered for chloride if the effluent chloride is greater than the screening value.

Values needed for Screening			Data Source
Cl CE - average effluent chloride concentration	498.5	mg/L	Permit application
Cl Csv - chloride screening value	1000	mg/L	Determined above

No control measures needed if:	498.5	≤	1000	
Consider control measures if:	498.5	>	1000	

No control measures needed for chloride

When effluent limitations are established in the permit, the daily average chloride limit is typically set equal to the chloride screening value. The daily maximum chloride limit is calculated as 2.12 times the daily average limit.

Chloride			
Daily Average	=	N/A	mg/L
Daily Maximum	=	N/A	mg/L

Sulfate Screening

If TDS limits are necessary or there are concerns about sulfate, additional screening can be performed for sulfate. First calculate the screening value for sulfate, SO4 Csv, as follows:

SO4 Csv = (TDS Csv /TDS CC) * SO4 CC

Where:	SO4 Csv = sulfate screening value
	TDS Csv = TDS screening value
	TDS CC = TDS criterion at the first downstream segment
	SO4 CC - sulfate criterion at the first downstream segment

SO4 Csv = **500** mg/L

Once the SO4 Csv is established, the next step is to compare the effluent sulfate concentration, SO4 CE, to the screening value. Control measures, which may include effluent limitations, are considered for sulfate if the effluent sulfate is greater than the screening value.

Values needed for Screening			**Data Source**
SO4 CE - average effluent sulfate concentration	71.9	mg/L	Permit application
SO4 Csv - sulfate screening value	500	mg/L	Determined above

No control measures needed if:	71.9	≤	500	
Consider control measures if:	71.9	>	500	

No control measures needed for sulfate

When effluent limitations are established in the permit, the daily average sulfate limit is typically set equal to the sulfate screening value. The daily maximum sulfate limit is calculated as 2.12 times the daily average limit.

		Sulfate	
Daily Average	=	N/A	mg/L
Daily Maximum	=	N/A	mg/L

Screening Calculations for Total Dissolved Solids, Chloride, and Sulfate

Menu 7 - Discharge to an Intermittent Stream with Perennial Pools

Screen the Perennial Pool Characteristics of the Stream

Applicant Name:	**Enterprise Products Operating, LLC**
Permit Number, Outfall:	**05371-000**
Segment Number:	**1602**

Enter values needed for screening:			**Data Source (edit if different)**
QE - Average effluent flow	**0.0173**	MGD	Permit application

QS - Stream harmonic mean flow	**0.10**	cfs	Critical conditions memo
QE - Average effluent flow	**0.0268**	cfs	Calculated
CA - TDS - ambient segment concentration	**441**	mg/L	2010 IP, Appendix D
CA - chloride - ambient segment concentration	**68**	mg/L	2010 IP, Appendix D
CA - sulfate - ambient segment concentration	**23**	mg/L	2010 IP, Appendix D
CC - TDS - segment criterion	**700**	mg/L	2010 TSWQS, Appendix A
CC - chloride - segment criterion	**200**	mg/L	2010 TSWQS, Appendix A
CC - sulfate - segment criterion	**100**	mg/L	2010 TSWQS, Appendix A
CE - TDS - average effluent concentration	**2405**	mg/L	Permit application
CE - chloride - average effluent concentration	**498.5**	mg/L	Permit application
CE - sulfate - average effluent concentration	**71.9**	mg/L	Permit application

Screening Equation

CC ≥ [(QS)(CA) + (QE)(CE)]/[QE + QS]

Permit Limit Calculations

TDS

Calculate the WLA	WLA= [CC(QE+QS) - (QS)(CA)]/QE	**1667.61**
Calculate the LTA	LTA = WLA * 0.93	**1550.87**
Calculate the daily average	Daily Avg. = LTA * 1.47	**2279.78**
Calculate the daily maximum	Daily Max. = LTA * 3.11	**4823.22**
Calculate 70% of the daily average	70% of Daily Avg. =	**1595.85**
Calculate 85% of the daily average	85% of Daily Avg. =	**1937.82**

No permit limitations needed if:	**2405**	**≤**	**1595.85**		
Reporting needed if:	**2405**	**>**	**1595.85**	**but ≤**	**1937.82**
Permit limits may be needed if:	**2405**	**>**	**1937.82**		

Permit limits may be needed for TDS

Chloride

Calculate the WLA	WLA= [CC(QE+QS) - (QS)(CA)]/QE	**693.14**
Calculate the LTA	LTA = WLA * 0.93	**644.62**
Calculate the daily average	Daily Avg. = LTA * 1.47	**947.60**
Calculate the daily maximum	Daily Max. = LTA * 3.11	**2004.78**
Calculate 70% of the daily average	70% of Daily Avg. =	**663.32**
Calculate 85% of the daily average	85% of Daily Avg. =	**805.46**

No permit limitations needed if:	**498.5**	**≤**	**663.32**		
Reporting needed if:	**498.5**	**>**	**663.32**	**but ≤**	**805.46**
Permit limits may be needed if:	**498.5**	**>**	**805.46**		

No permit limitations needed for chloride

Sulfate

Calculate the WLA	WLA= [CC(QE+QS) - (QS)(CA)]/QE			**387.67**	
Calculate the LTA	LTA = WLA * 0.93			**360.53**	
Calculate the daily average	Daily Avg. = LTA * 1.47			**529.98**	
Calculate the daily maximum	Daily Max. = LTA * 3.11			**1121.25**	
Calculate 70% of the daily average	70% of Daily Avg. =			**370.99**	
Calculate 85% of the daily average	85% of Daily Avg. =			**450.48**	
No permit limitations needed if:	**71.9**	**≤**	**370.99**		
Reporting needed if:	**71.9**	**>**	**370.99**	**but ≤**	**450.48**
Permit limits may be needed if:	**71.9**	**>**	**450.48**		

No permit limitations needed for sulfate

Appendix C
Comparison of Effluent Limits

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

Outfall	*Pollutant*	*Technology-Based*				*Water Quality-Based*				*Existing Permit*			
		Daily Avg		*Daily Max*		*Daily Avg*		*Daily Max*		*Daily Avg*		*Daily Max*	
		lbs/day	*mg/L*	*lbs/day*	*mg/L*	*lbs/day*	*mg/L*	*lbs/day*	*mg/L*	*lbs/day*	*mg/L*	*lbs/day*	*mg/L*
001	Flow	-		-		**0.0173 MGD**		**0.02 MGD**		Report, MGD		0.02 MGD	
	TDS	-	-	-	-	**-**	**2279**	**-**	**4823**	Report	Report	Report	Report
	Oil and Grease	N/A	10	N/A	15	**-**	**-**	**-**	**-**	-	**10**	-	**15**
	pH	N/A		N/A		6.0 SU (minimum)		9.0 SU (maximum)		**6.5 SU (minimum)**		**9.0 SU (maximum)**	